LOCOSC PRECISION



LOCOSC PRECISION

TECHNOLOGY

LOAD CELL

WEIGHING MOUNTING

WEIGHING SOLUTION

FORCE MEASUREMENT

ABOUT LOCOSC

Adhering to the business philosophy of “Modular craft, Pipelining production, Integrated brand, Global service”, LOCOSC Precision is a group company responsible for the research and development, manufacturing, solutions, sales and after-sales services of weighing equipment. We are headquartered in Ningbo, and have branches in Shanghai, Guangzhou, Zhengzhou, Beijing, Chengdu, America. We have more than 500 employees and a factory area of 23,000 square meters. Thanks to a full range of products, advanced technology, reliable equipment, stable capacity and standardized management, we have successfully involved in petrochemical, metallurgical, chemical, port, building material, breeding, paper making, pharmaceutical, food, textile, and logistics industry. LOCOSC is a leader in the manufacturing and trading of weighing equipment.

Each product of LOCOSC has its uniqueness and has been awarded a number of certifications, such as ISO9001, NTEP, OIML, CE. We constantly summarize experience and learn from it, upgrade technology, optimize the system and gradually develop our bench scale, floor scale, axle scale, intelligent logistics management system, load cell, explosion-proof and waterproof weighing indicator, heavy duty crane scale. These products have been well sold all over China, and 60% of them are exported to North America, Europe, South America, Southeast Asia. Besides, LOCOSC is an experienced company for OEM service. We have cooperation with well-known enterprises both at home and abroad. We owe our achievement to your trust and the driving force for self-transcendence. We promise to improve performance and reduce cost with abundant energy and passion.

We work to improve the design, manufacture, sales and after-sales service of products, so as to save the cost of comprehensive investment and realize the maximization of customers’ benefits. We strive for “satisfy each customer” at all time.



Load Cell Production Process

Spectrometer

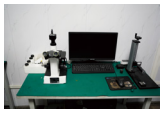


Polishing machine





Microscope



Cutting Machine















1 Raw Material Testing



2 Blanking



3 Rough Machining



4 CNC Machining Center







5 Drilling

6 Tapping

7 Heat Treatment

8 Hardness Testing

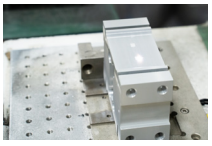
9 Grinding Machine

10 laser marking













11 surface treatment

12 Web Grinding

13 Surface Polishing of Laminated Sheets

14 Laser Positioning

15 Ultrasonic Rough Cleaning

16 Ultrasonic Fine Cleaning













17 Laminated Chip (Imported Chip)

18 High-Temperature Curing Step 1

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20 Bridge Formation and Wiring

21 Zero Temperature Compensation Test 1

22 Zero Temperature Compensation

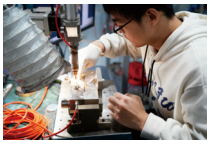












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25 Sensitivity Compensation

26 Sensitivity Retest

27 Potting

28 Laser Welding











34 Packing and Shipping

33 Final Performance Test

32 Picking

31 Putaway

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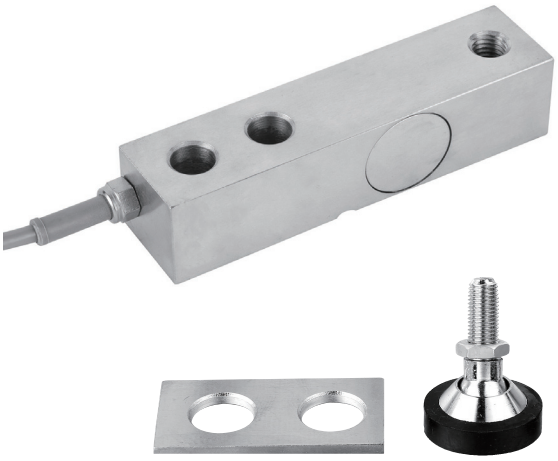
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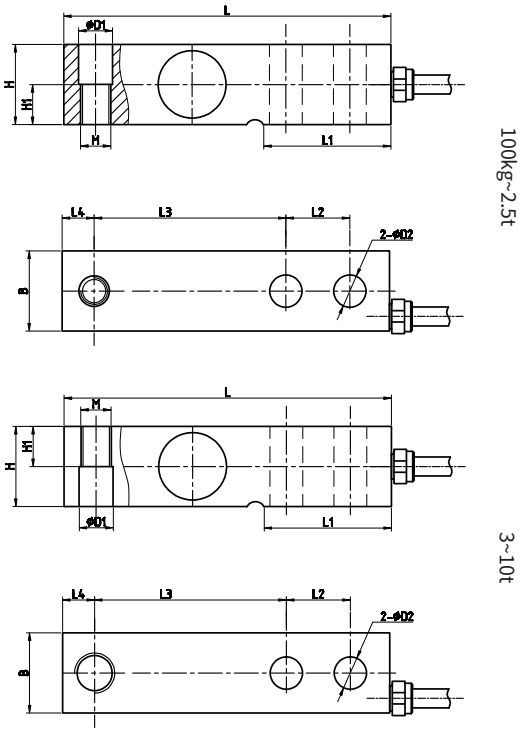
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LP7110



Dimensions:

Unit (mm)



Rated Capacity	100/200/250/500kg, 1/1.5/2/2.5/3/5/7.5/10t
Accuracy Class	OIML C3
Rated Output	2.0±0.002mV/V 3.0±0.003mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67/IP68
Application for	Floor scales, Pallet scales, Weighing modules, etc.

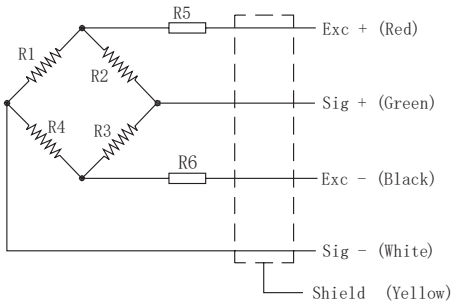
Cable length:

4 Core cable standard lengths:3m(250kg~2.5t), 6m(3~10t)

Diameter: Φ5

Option: Customized cable length

Connection mode:



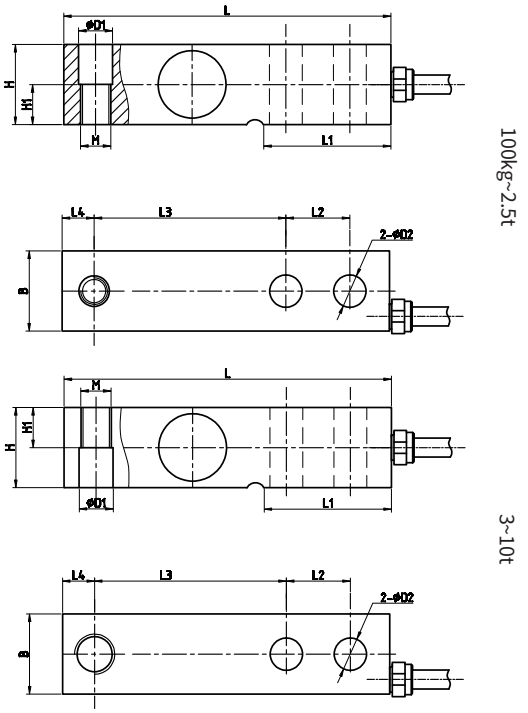
Dimension / Capacity	L	L1	L2	L3	L4	H	H1	B	D1	D2	M
100~500kg ,1~2.5t	130	54	25.4	76.2	12.7	31.8	16.0	31.8	13.5	13	M12*1.75
3~5t	171.5	72.6	38.1	95.3	19	38.1	19.1	38.1	19.8	19.8	M20*1.5
7.5~10t	225.6	102	50.8	123.9	25.4	50.8	25.4	50.8	27	27	M24*2

LP7110



Dimensions:

Unit (mm)



Rated Capacity	200/250/300/500lb,1/1.5/2/2.5/3/5/10/20klb
Accuracy Class	NTEP 5000, Class III, Multiple Cell
Rated Output	2.0±0.002mV/V 3.0±0.003mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67/IP68
Application for	Floor scales, Pallet scales, Weighing modules, etc.

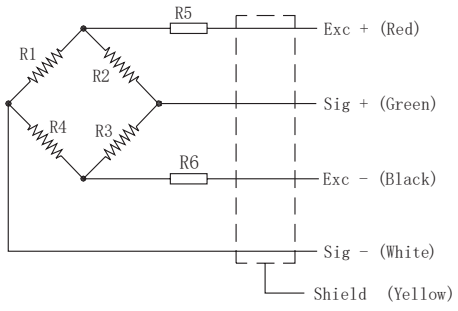
Cable length:

4 Core cable standard lengths:3m(200lb~2.5klb),
6m(5klb(LE)~20klb)

Diameter: Φ5

Option: Customized cable length

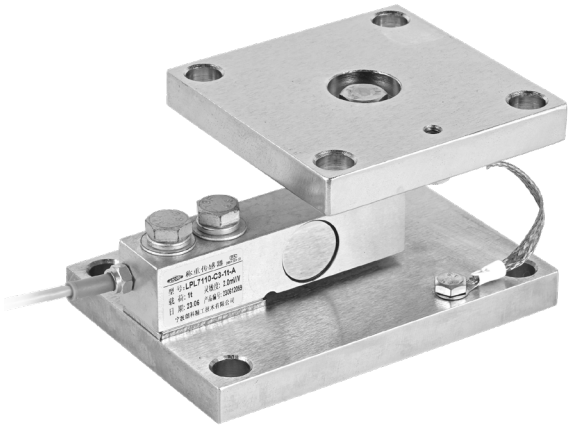
Connection mode:



Dimension / Capacity	L	L1	L2	L3	L4	H	H1	B	D1	D2	M
200~500lb,1~2.5klb(SE)	130	54	25.4	76.2	12.7	31.8	16.0	31.8	13.5	13	1/2-20UNF
5klb(LE)~10klb	171.5	72.6	38.1	95.3	19	38.1	19.1	38.1	19.8	19.8	3/4-16UNF
15~20klb	225.6	102	50.8	123.9	25.4	50.8	25.4	50.8	27	27	1-12UNF

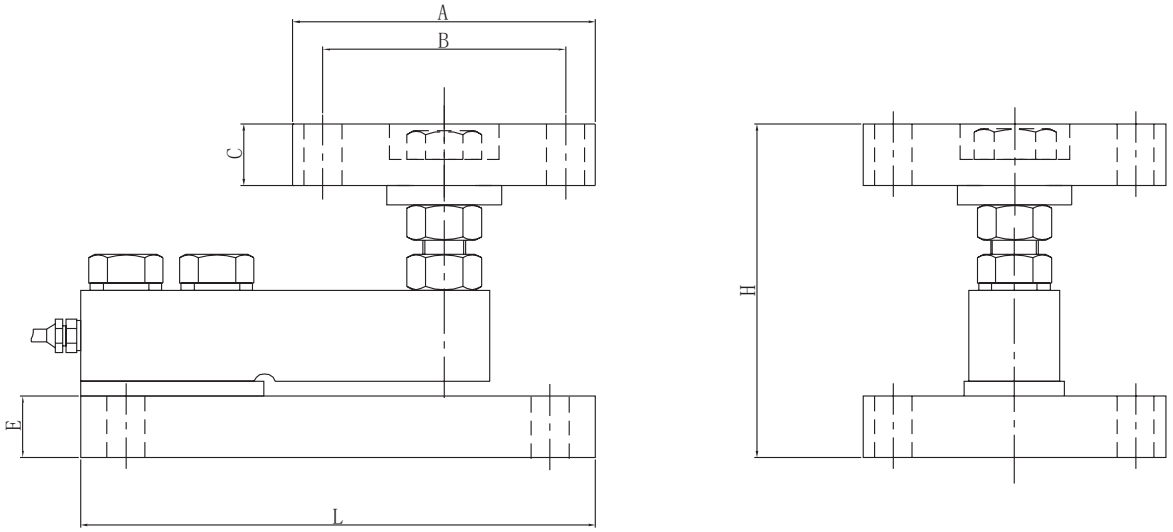
LP7212

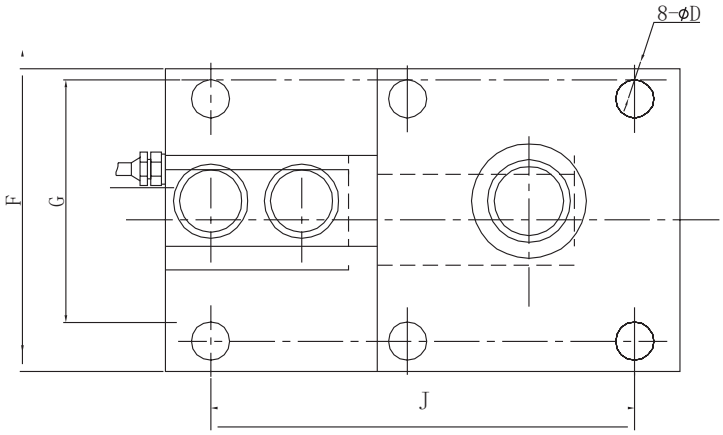
Static Weighing Module



Dimensions:

Unit (mm)

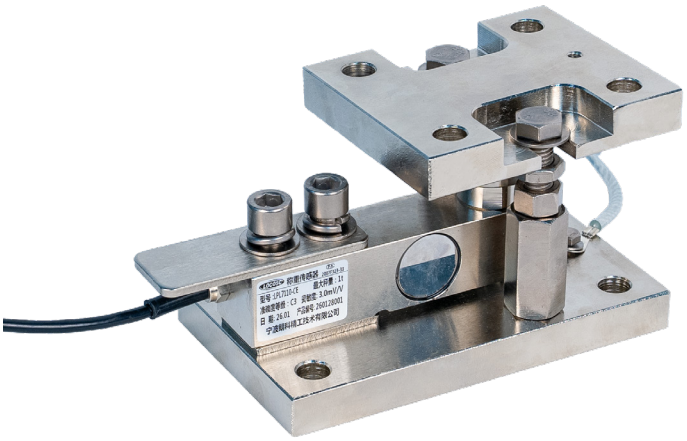




Dimension / Capacity	A	B	C	D	E	F	G	H	J	L
0.5~2.5t	127	101.6	18	16	18	127	101.6	100~120	152.4	180.9
3~5t	127	101.6	26	16	26	127	101.6	130~150	177.8	215.9

LP7212Q

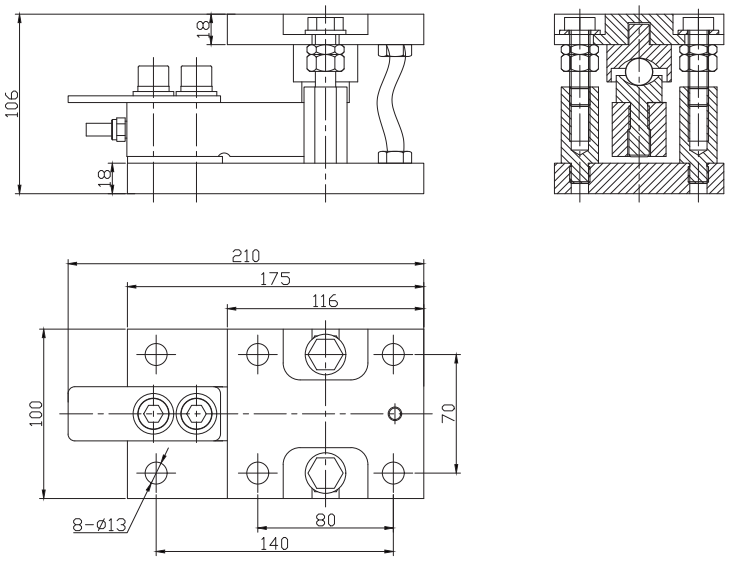
Weighing Module



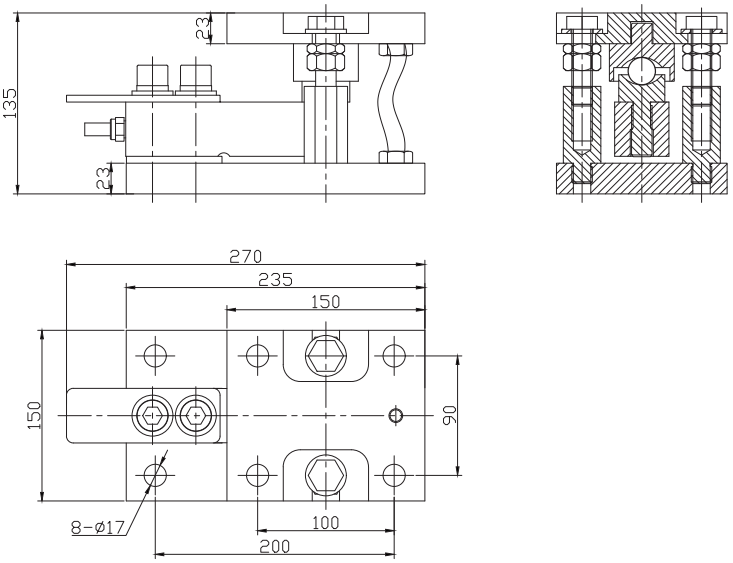
Dimensions:

Unit (mm)

0.25~2.5t



3~5t

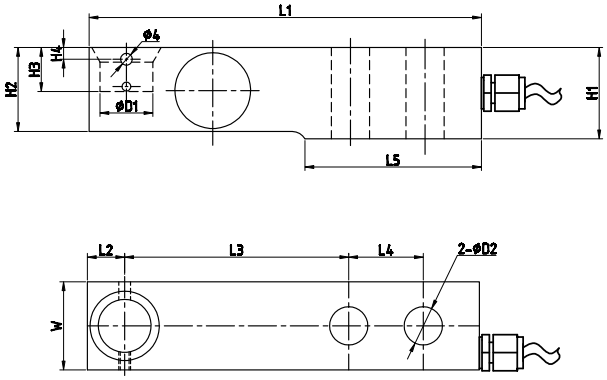


LP7110AT

Dimensions:

Unit (mm)





Rated Capacity	227/454/1134/2268/5099 kg	454/1134/2268 kg
Accuracy Class	C3	C6
Rated Output	2.0±0.002mV/V	
Temperature effect on Zero	±0.02%F.S/10°C	±0.01 %F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C	±0.01 %F.S/10°C
Total error	±0.02%F.S	±0.01 %F.S
Creep (30min)	±0.02%F.S	±0.01 %F.S
Input Resistance	1100±10Ω	
Output Resistance	1000±1Ω	
Operating Temperature Range	-30~+70°C	
Insulation Resistance	≥5000MΩ	
Safe Overload	150%F.S	
Destructive Load	300%F.S	
Excitation Recommend	4~12VDC Max:15VDC	
Construction	Stainless steel, IP68	
Application for	Floor scales, Pallet scales, Weighing modules, etc.	

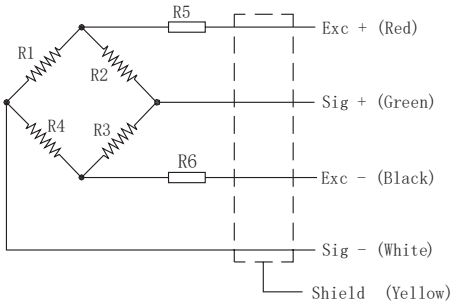
Cable length:

4 Core cable standard lengths: 3m (454~2268kg), 6m(5099kg)

Diameter: Φ5

Option: Customized cable length

Connection mode:



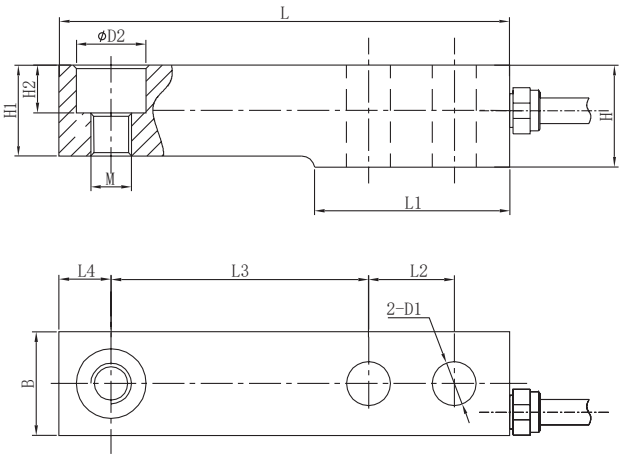
Dimension / Capacity	L1	L2	L3	L4	L5	H1	H2	H3	H4	W	D1	D2
227/454kg	133.4	12.7	76.2	25.4	60.0	31.0	28.8	15.0	4.0	30.0	18.0	13.5
1134/2268kg	133.4	12.7	76.2	25.4	60.0	32.0	30.7	15.0	4.0	30.0	18.0	13.5
5099kg	190.0	21.0	105	40.0	93.0	49.0	41.0	20.5	8.0	43.0	25.0	21.0

LP7110A



Dimensions:

Unit (mm)



Rated Capacity	250/500kg,1/1.5/2/2.5/3/5/7.5/10t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67/IP68
Application for	Floor scales, Pallet scales, Weighing modules, etc.

Cable length:

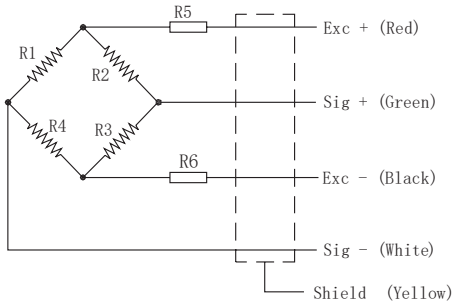
4 Core cable standard lengths:

3m (250kg~2.5t), 6m(3~10t)

Diameter: Φ5

Option: Customized cable length

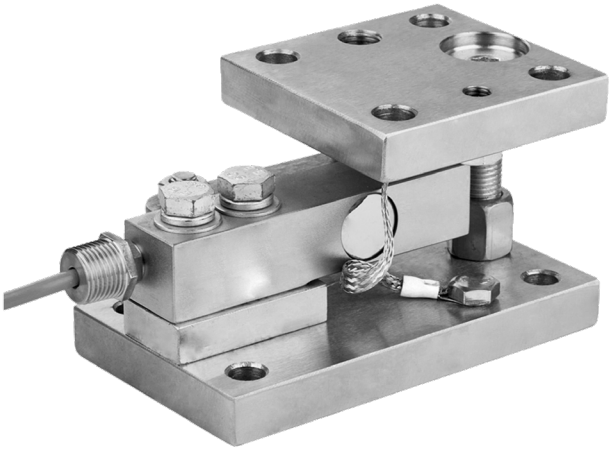
Connection mode:



Dimension / Capacity	L	L1	L2	L3	L4	H	H1	H2	B	D1	D2	M
0.25,0.5,1,1.5,2,2.5t	133.4	57.7	25.4	76.2	15.4	30.2	28.5	14.2	30.7	13	20.6	M12*1.75
3,5,7.5t	171.5	72.6	38.1	95.3	19.1	42.9	40.4	20.1	42.9	20.5	30.2	M20*2.5
10t	222.2	101.6	50.8	120.7	25.3	52.7	49.5	23	50.8	25	38	M24*2

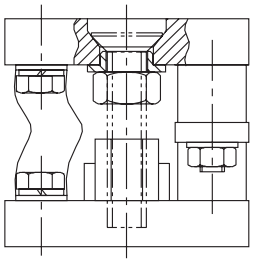
LP7210A

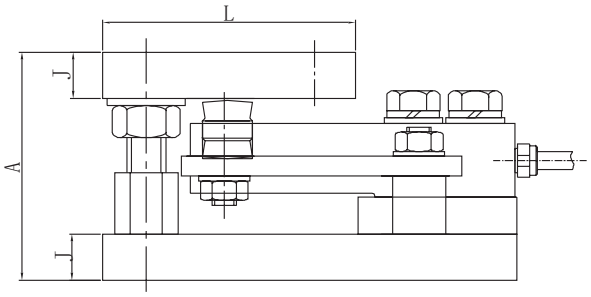
Weighing Module

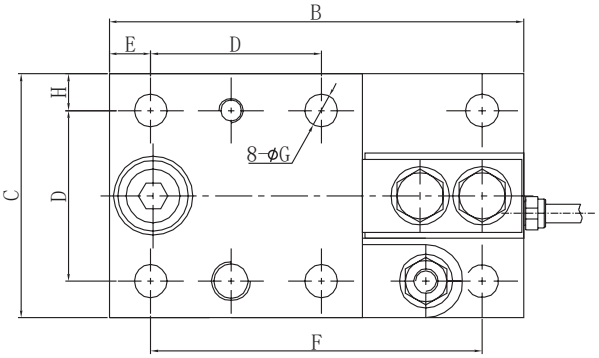


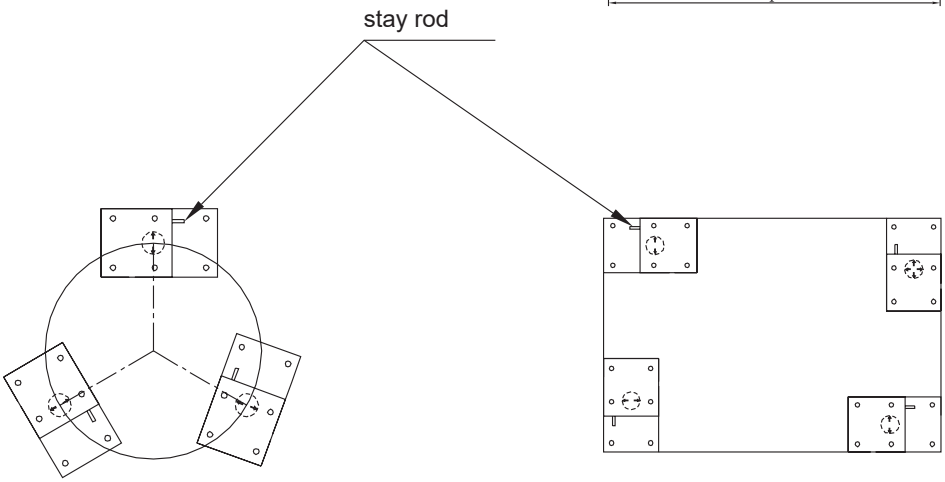
Dimensions:

Unit (mm)





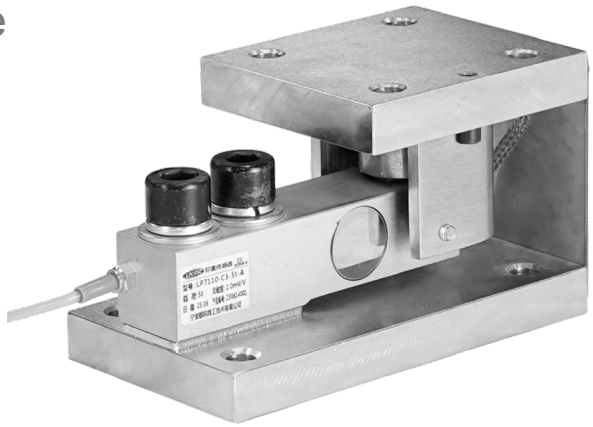




Dimension / Capacity	A	B	C	D	E	F	G	H	J	L
0.25~2.5t	99	170	100	70	17	136	13.5	15	19	104
3,5t	129.8	220	120	84	25.5	175	14	18	23	135

LP7210AD

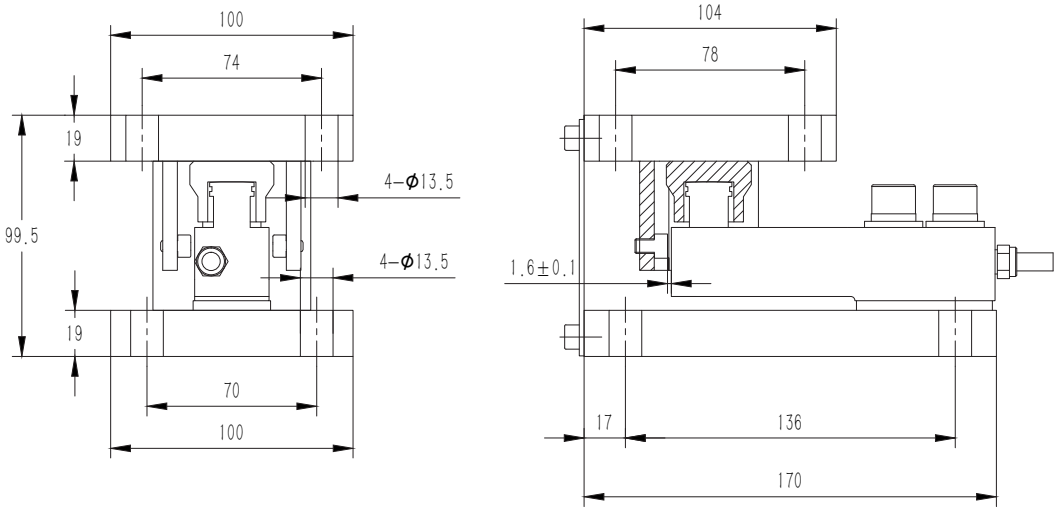
Dynamic Weighing Module



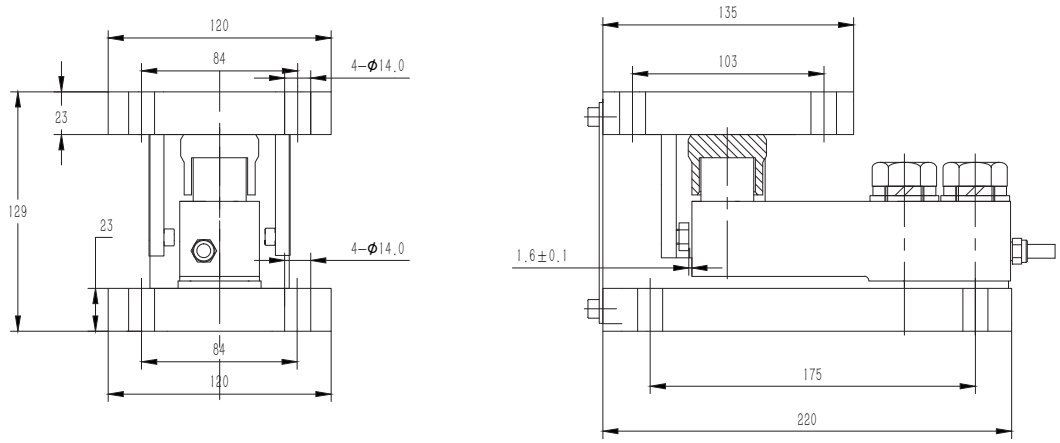
Dimensions:

Unit (mm)

0.5~2.5t

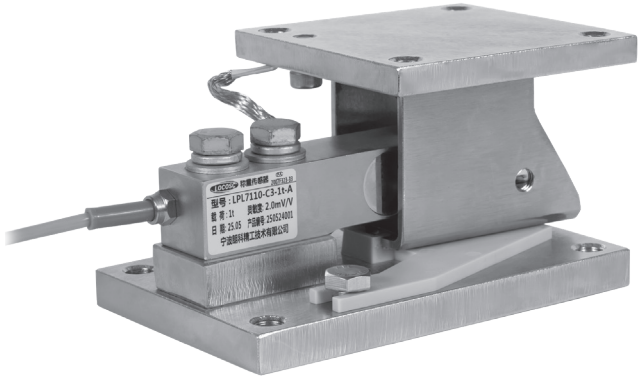


3~5t



LP7213

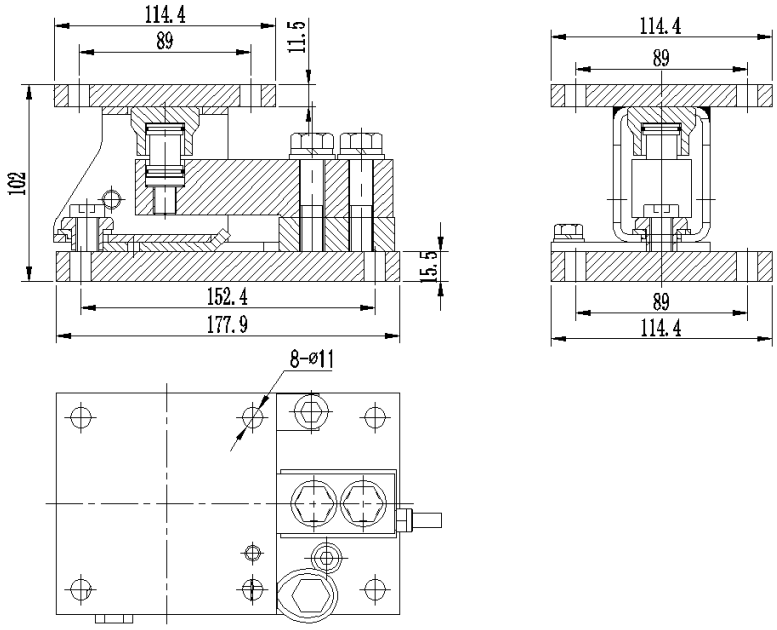
Weighing Module



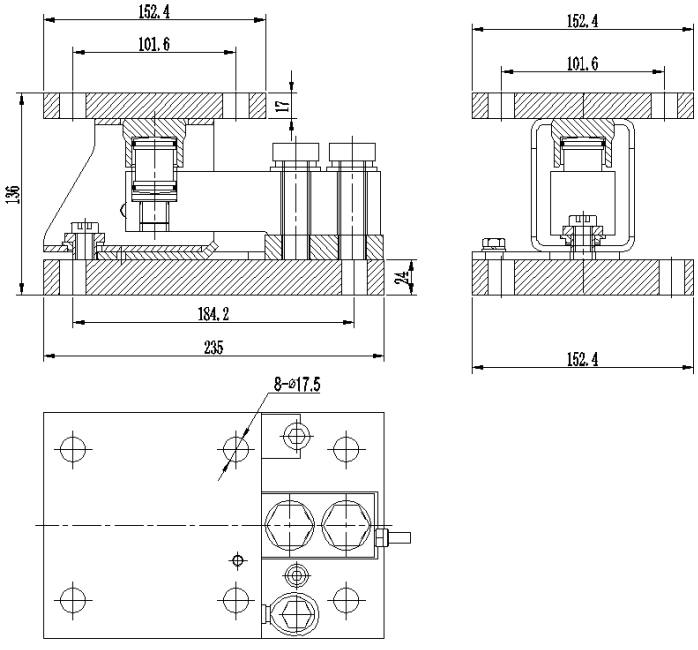
Dimensions:

Unit (mm)

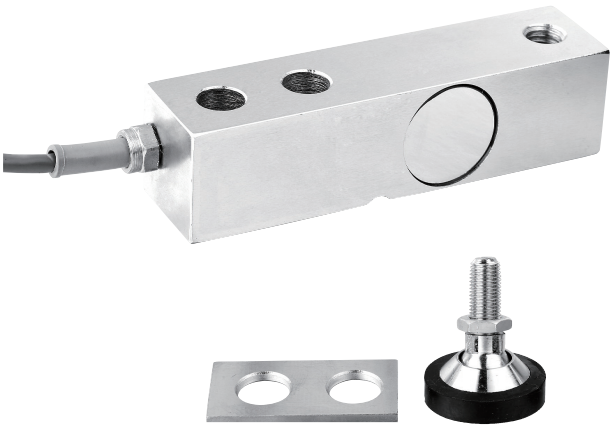
0.25~2.5t



3~5t

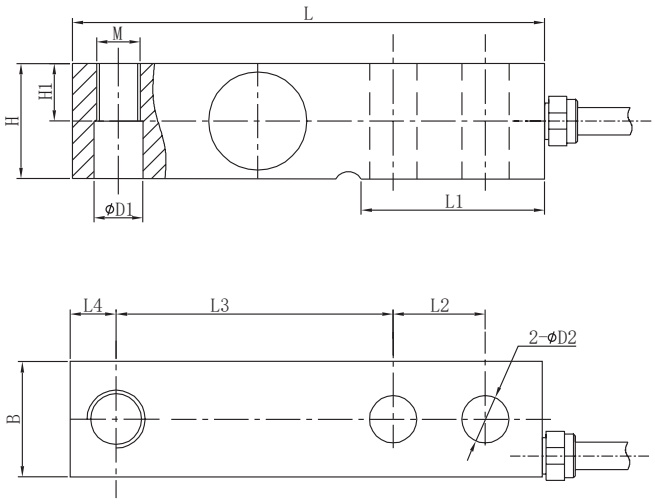


LP7110D



Dimensions:

Unit (mm)



Rated Capacity	100/250/500kg,1/1.5/2/2.5/3/5/7.5/10t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V 3.0±0.003mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67/IP68
Application for	Floor scales, Pallet scales, Weighing modules, etc.

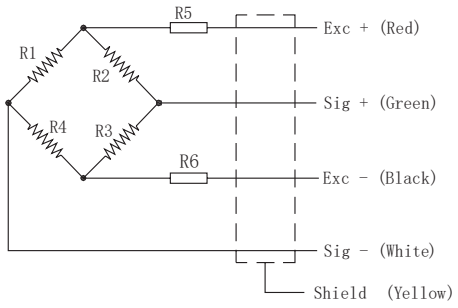
Cable length:

4 Core cable standard lengths: 3m (250kg~2.5t), 6m(3~7.5t),10m(10t)

Diameter: Φ5

Option: Customized cable length

Connection mode:



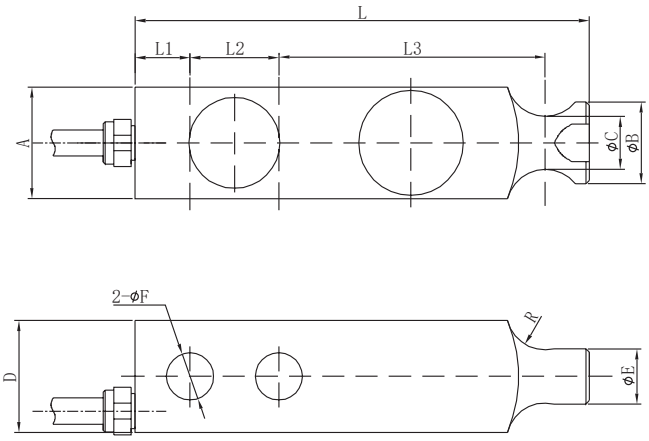
Dimension / Capacity	L	L1	L2	L3	L4	H	H1	B	D1	D2	M
100~500kg,1~3t(SE)	130	54	25.4	76.2	12.7	31.8	12.7	31.8	17	13	M16*2
3t(LE)~5t	171.5	72.6	38.1	95.3	19	38.1	19.1	38.1	19.8	20	M20*1.5
7.5~10t	222.3	102	50.8	120.7	25.4	50.8	25.4	50.8	27	27	M24*2

LP7110F



Dimensions:

Unit (mm)



Rated Capacity	1/2/2.5/3/5 t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67/IP68
Application for	Floor scales, Weighing modules, etc.

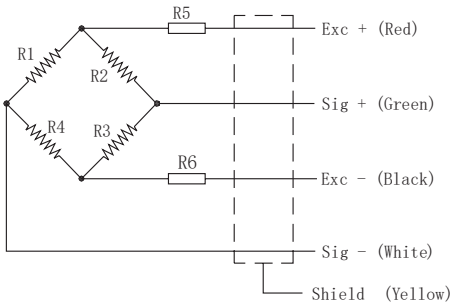
Cable length:

4 Core cable standard lengths: 3m(500kg~2.5t), 6m(3~5t)

Diameter: Φ5

Option: Customized cable length

Connection mode:

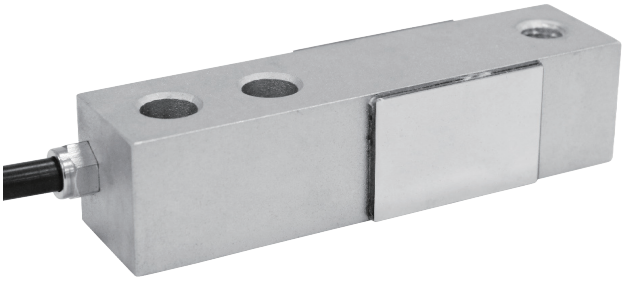


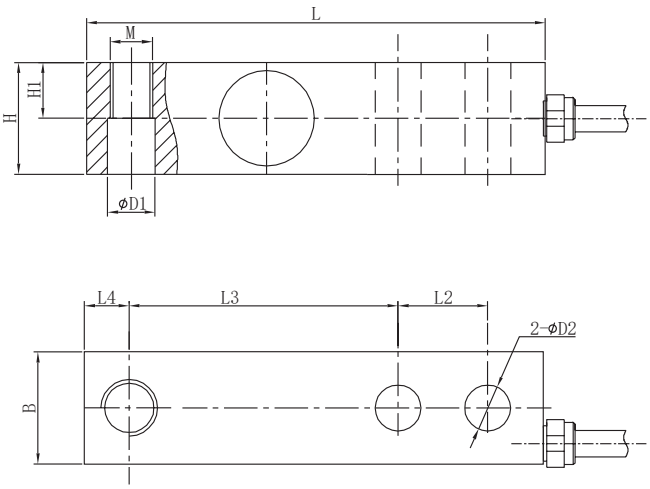
Dimension / Capacity	L	L1	L2	L3	A	B	C	D	E	F	R
1~2.5t	130	15.8	25.4	76.2	32	23.4	15.2	32	15.8	13.5	11.2
3~5t	171.5	19	38.5	93.5	38	30.5	21.8	38	22.9	20	14.2

LP7110G

Dimensions:

Unit (mm)





Rated Capacity	100/200/250/500kg, 1/1.5/2/2.5 /3/5/7.5/10t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67/IP68
Application for	Floor scales, Pallet scales, Weighing modules, etc.

Cable length:

4 Core cable standard lengths:

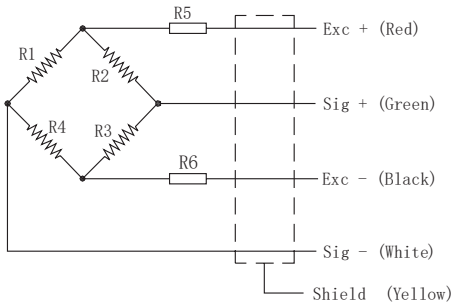
3m(250kg~2.5t 200lb~2.5klb),

6m(3~10t,5klb(LE)~20klb)

Diameter: Φ5

Option: Customized cable length

Connection mode:



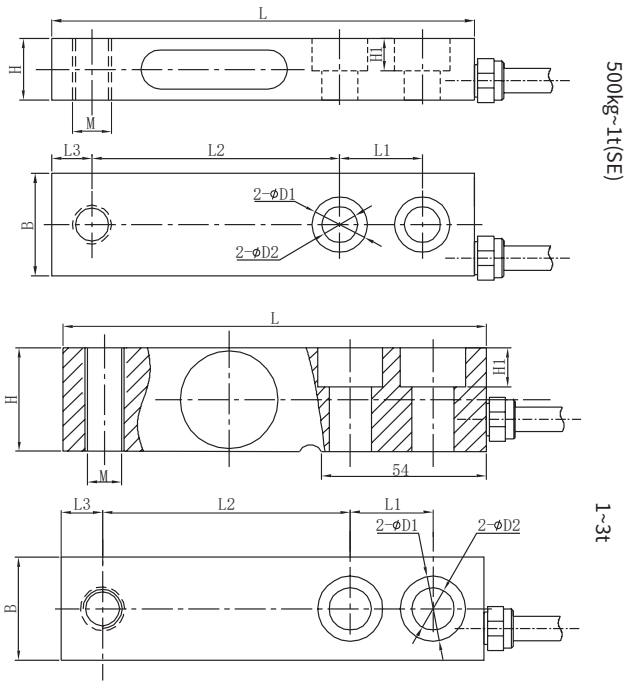
Dimension / Capacity	L 1	L2	L 3	L 4	H	H1	B	D1	D2	M
100~500kg ,1~2.5t	130	25.4	76.2	12.7	31.8	16	31.8	13.5	13	M12
3~5t	171.5	38.1	95.3	19	38.1	19.1	38.1	19.8	19.8	M20*1.5
7.5~10t	222.3	50.8	120.7	25.4	50.8	25.4	50.8	27	27	M24*2

LP7110H



Dimensions:

Unit (mm)



Rated Capacity	500kg, 1/2/2.5/3t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Floor scales, Pallet scales, Weighing modules, etc.

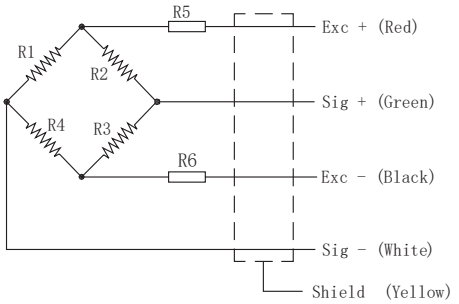
Cable length:

4 Core cable standard lengths: 3m(500kg~3t)

Diameter: Φ5

Option: Customized cable length

Connection mode:



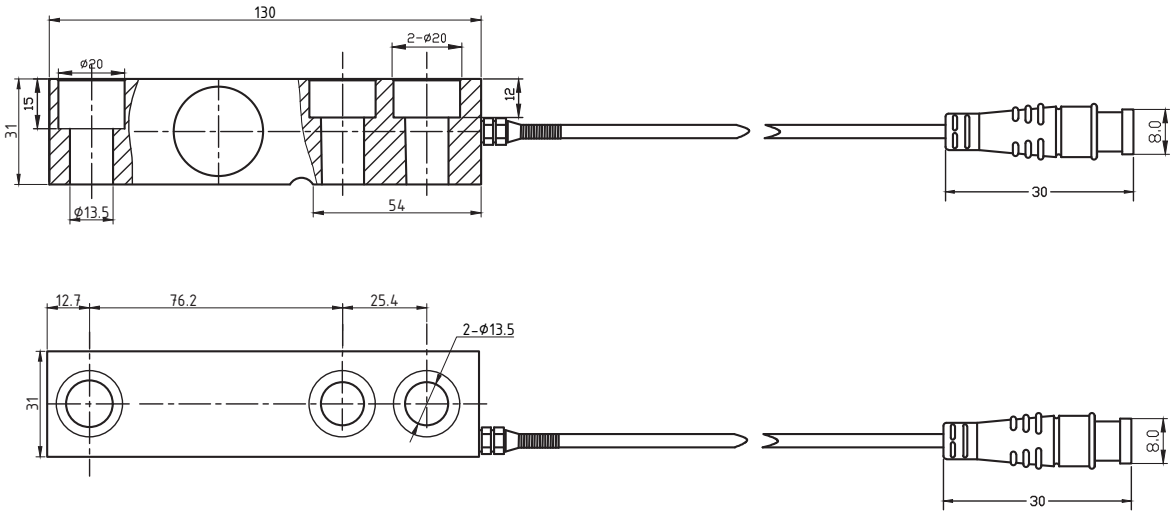
Dimension / Capacity	L	L1	L2	L3	H	B	D1	D2	M
500kg~1t(SE)	130	25.4	76.2	12.7	19	31.5	17	11	M12
1~3t	130	25.4	76.2	12.7	31.8	31.8	20	13	M12

LP7110HC



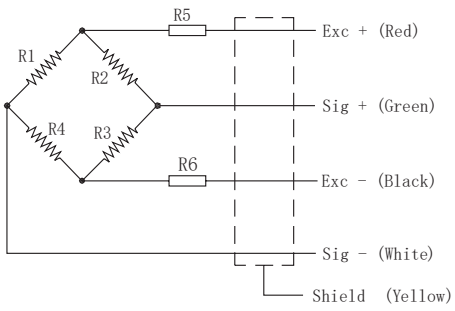
Dimensions:

Unit (mm)



Rated Capacity	1t
Rated Output	2.0±0.1%mV/V
Total error	±0.02%F.S
Creep (30min)	±0.02%F.S
Input Resistance	400±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70℃
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel

Connection mode:

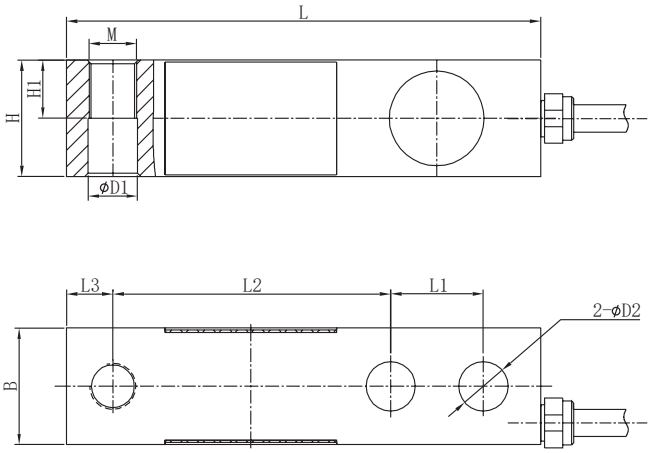


LP7110J



Dimensions:

Unit (mm)



Rated Capacity	250/500kg 1/1.5/2/2.5/3/5/7.5/10t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Floor scales, Pallet scales, Weighing modules, etc.

Cable length:

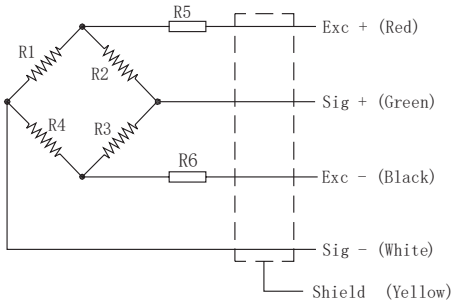
4 Core cable standard lengths: 3m(500kg~3t)

6m(3-10t)

Diameter: Φ5

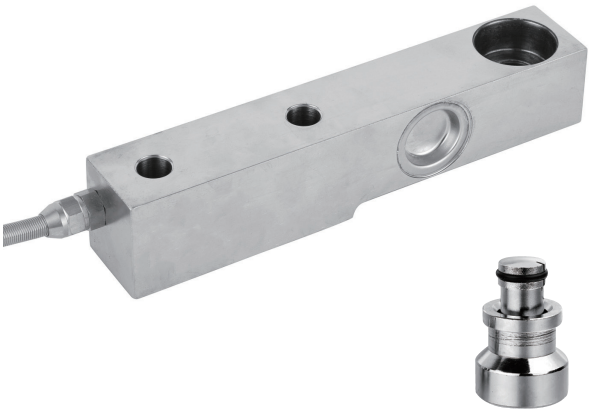
Option: Customized cable length

Connection mode:



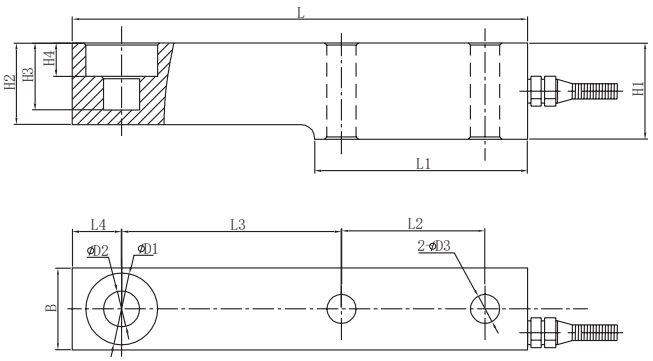
Dimension / Capacity	L	L1	L2	L3	H	H1	B	D1	D2	M
100kg~2.5t	130	25.4	76.2	12.7	31.8	12.7	31.8	13.5	13	M12*1.75
3,5t	171.5	38.1	95.3	19	38.1	19.1	38.1	19.8	19.8	M20*1.5
7.5~10t	222.3	50.8	120.7	25.4	50.8	25.4	50.8	27	27	M24*2

LP7110L



Dimensions:

Unit (mm)



Rated Capacity	500kg, 1/2/3/5/7/8/10/15/20t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Floor scales, Pallet scales, Weighing modules, etc.

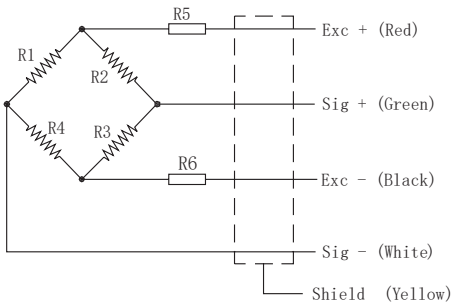
Cable length:

4 Core cable standard lengths: 3m(500kg~3t), 6m(5~7.5t),10m(10t),14m(15~20t)

Diameter: Φ5

Option: Customized cable length

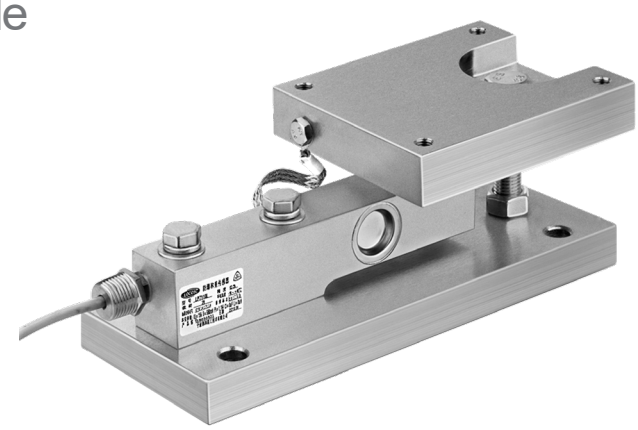
Connection mode:



Dimension / Capacity	L	L1	L2	L3	L4	H1	H2	H3	H4	B	D1	D2	D3
500kg~3t	203	95	64	98	22	43	36.6	30.5	8	36.6	32	16	13
5~7.5t	235	110	66	124	22	52	48	30	12	48	38	22	21
10t	279	133	82	140	32	67	60	20	8.5	60	48	32	28
15~20t	318	153	89	159	38	82.5	70	24	9.5	70	54	38	34

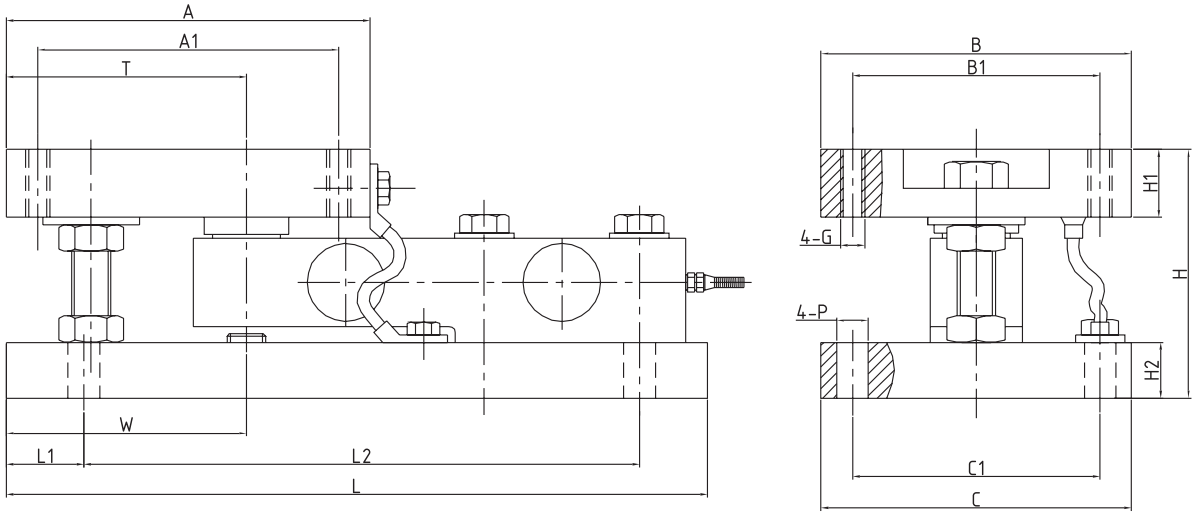
LP7211

Weighing Module

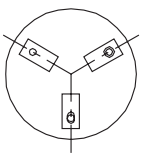


Dimensions:

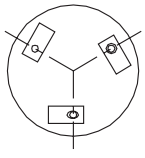
Unit (mm)



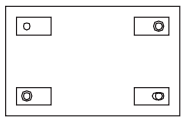
Radial installation



Cutting installation



Rectangle installation



Dimension / Capacity	L	L1	L2	A	A1	B	B1	C	C1	H	H1	H2	T	W	G	P
0.5t, 1t, 2t, 3t	286	32	226	150	124	128	102	112	80	102	28	23	99	96	M10	Φ13
5t, 7.5t	318	32	257	178	146	152	120	152	102	129	38	29	102	99	M16	Φ17
10t	360	35.5	292	184	152	154	122	154	106	168	45	45	108	105	M20	Φ21

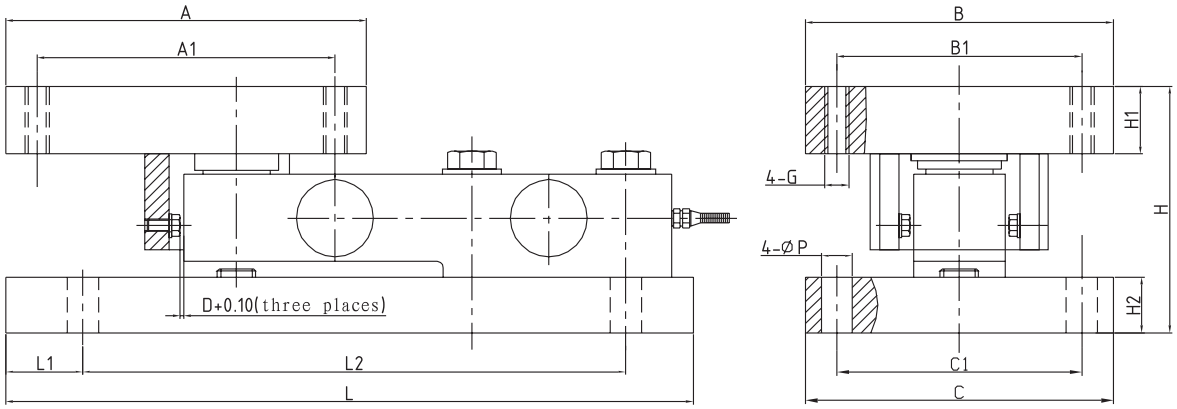
LP7211D

Dynamic Weighing Module

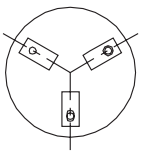


Dimensions:

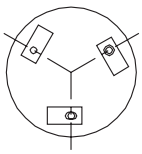
Unit (mm)



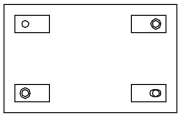
Radial installation



Cutting installation

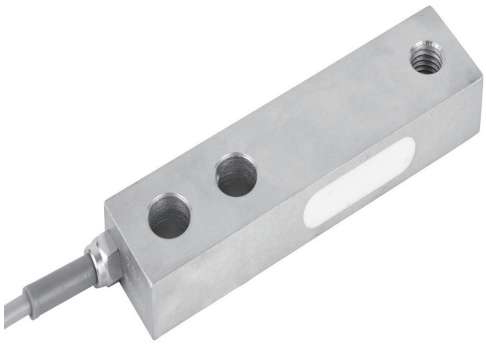


Rectangle installation



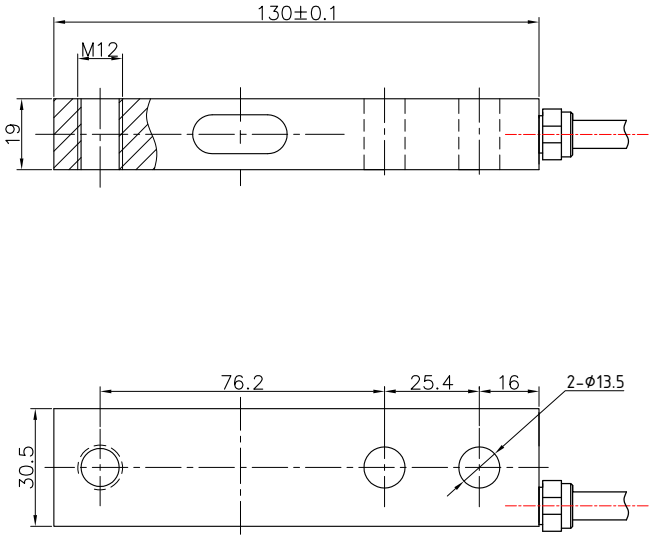
Dimension / Capacity	L	L1	L2	A	A1	B	B1	C	C1	H	H1	H2	D	G	P
0.5t, 1t, 2t, 3t	286	32	226	150	124	128	102	112	80	109	23	23	1.6	M10	Φ13
5t, 7.5t	318	32	257	178	146	152	120	152	102	145	34	30	1.6	M16	Φ17
10t	360	32	295	184	152	154	122	154	106	177	45	45	3	M20	Φ21

LP7113



Dimensions:

Unit (mm)



Rated Capacity	500 kg, 1t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Floor scales, Pallet scales, Weighing modules, etc.

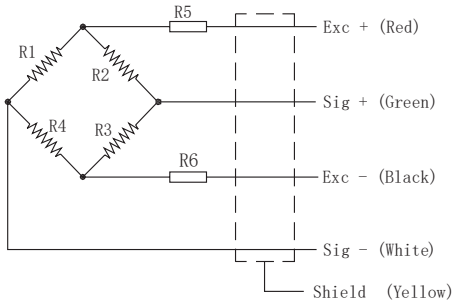
Cable length:

4 Core cable standard lengths: 3m(500kg~2t)

Diameter: Φ5

Option: Customized cable length

Connection mode:

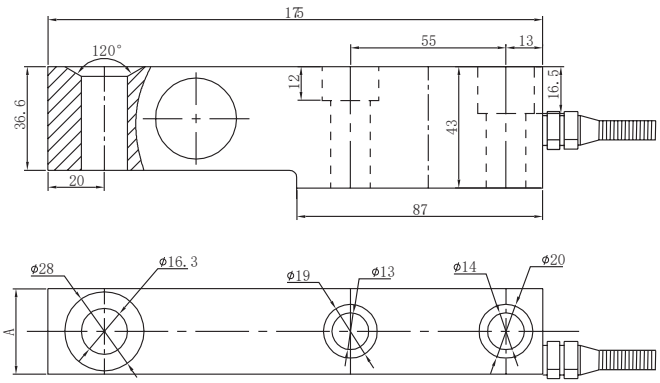


LP7115



Dimensions:

Unit (mm)



Rated Capacity	500kg, 1/2/3/4t
Accuracy Class	C3
Rated Output	1.5±0.002mV/V 2±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Floor scales, Pallet scales

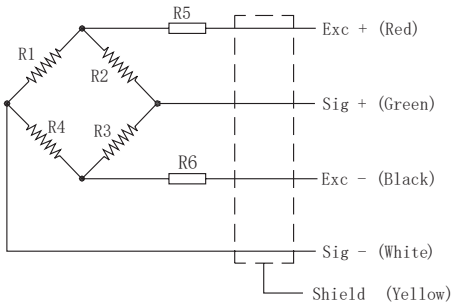
Cable length:

4 Core cable standard lengths: 3m(500kg,1-4t)

Diameter: Φ5

Option: Customized cable length

Connection mode:



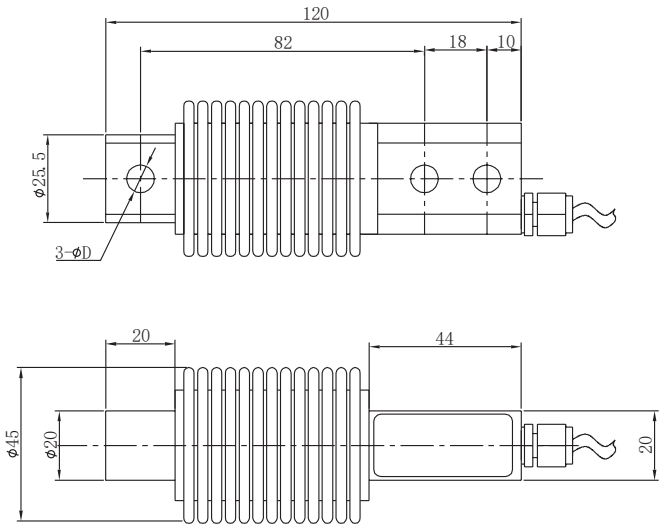
Capacity	A
500kg,1t,2t	30.3
3~4t	36.6

LP7120



Dimensions:

Unit (mm)



Rated Capacity	5/10/20/30/40/50/75/100/150/200/250/300/500kg
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	400±20Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Floor scales, Pallet scales, Weighing modules, etc.

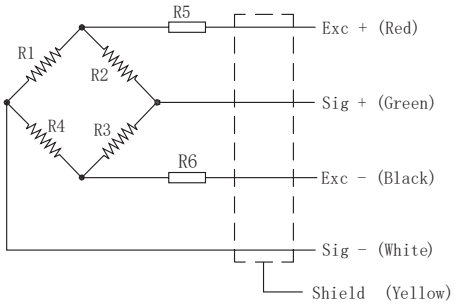
Cable length:

4 Core cable standard lengths: 3m(5~500kg)

Diameter: Φ5

Option: Customized cable length

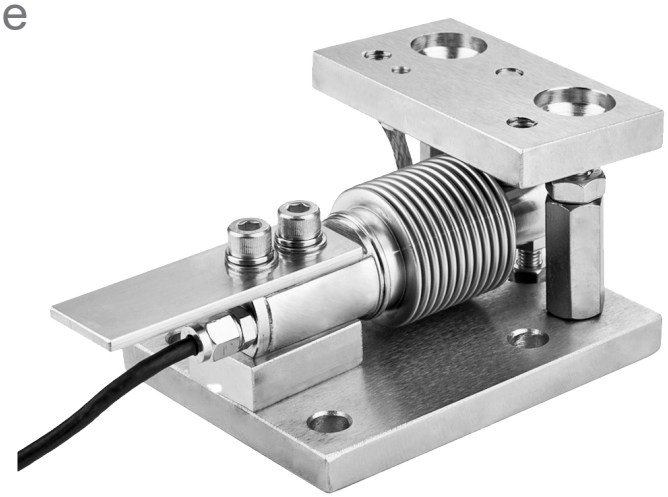
Connection mode:



Capacity	D
5,10,20,30,40,50,75,100,150,200,250kg	8.2
300,500kg	10.2

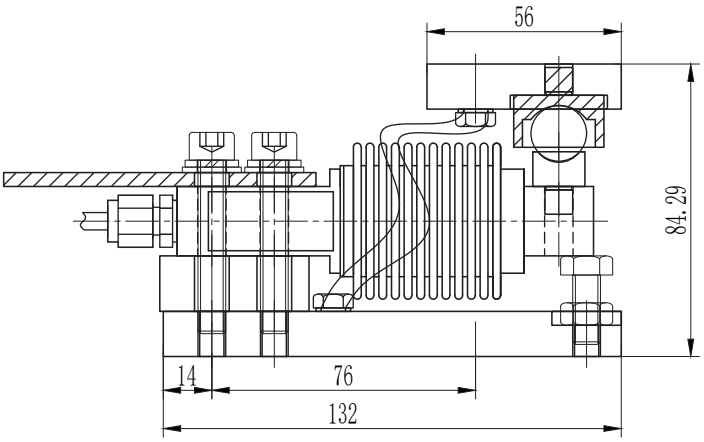
LP7220

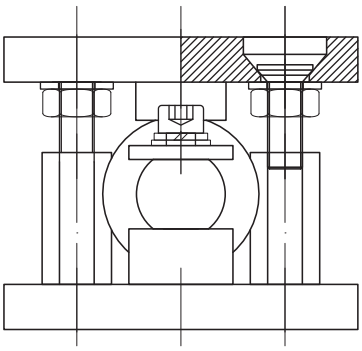
Weighing Module

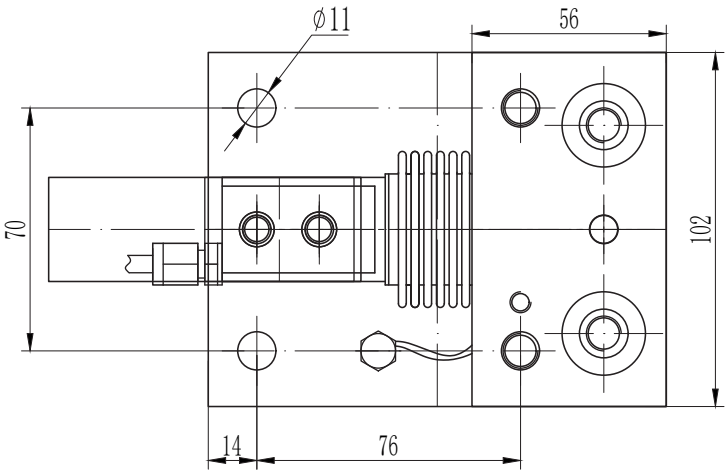


Dimensions:

Unit (mm)

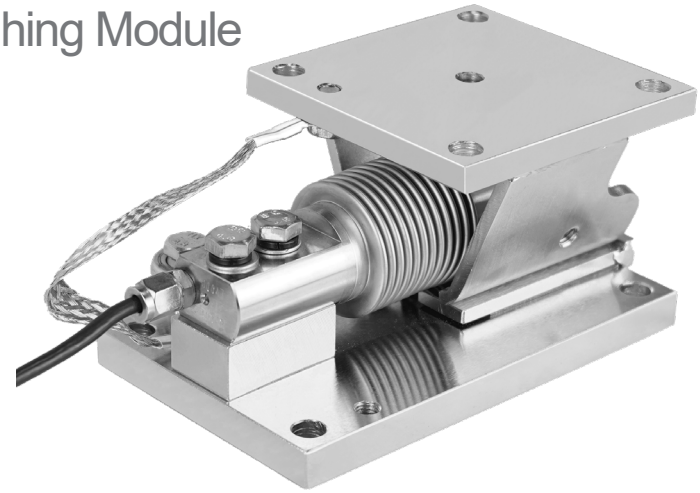






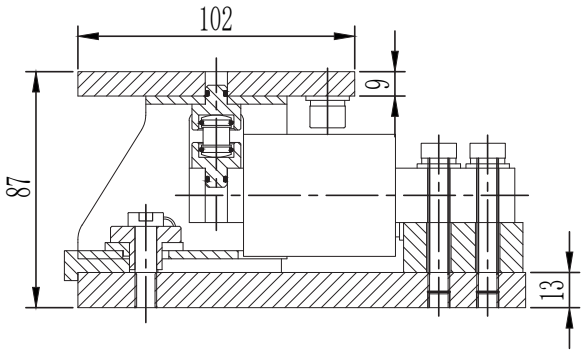
LP7221

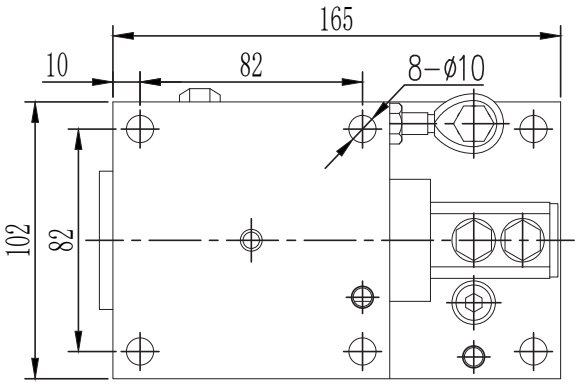
Bellows Weighing Module

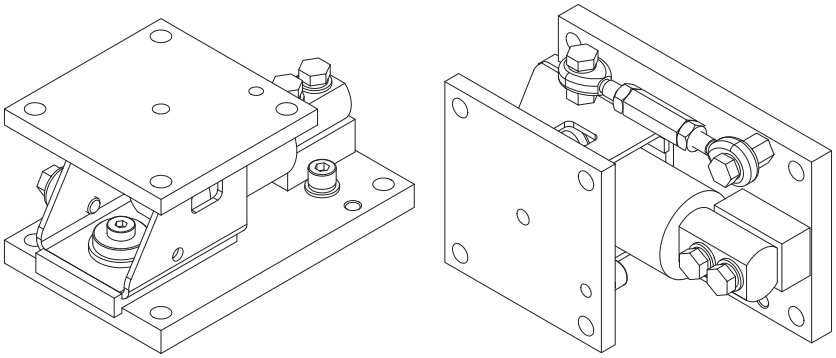


Dimensions:

Unit (mm)





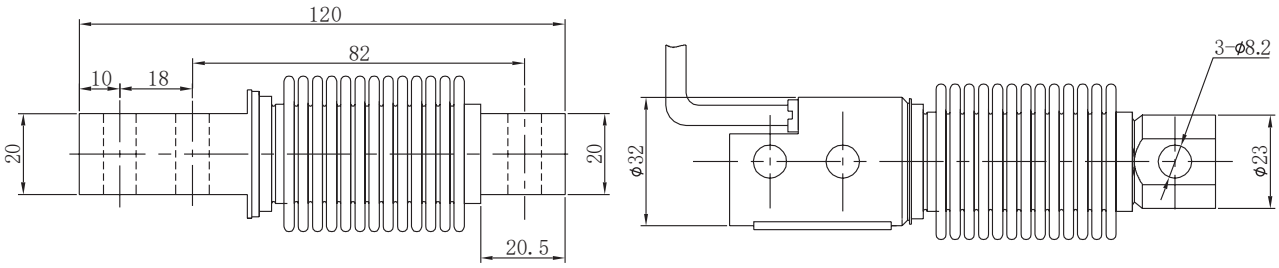


LP7120B



Dimensions:

Unit (mm)



Rated Capacity	5/10/20/30/40/50/75/100/150/200/250/300/500kg
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	400±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Floor scales, Automobile inspection, Weighing modules, etc.

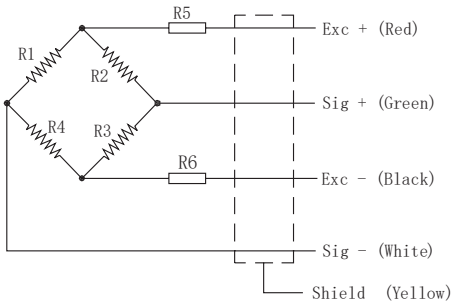
Cable length:

4 Core cable standard lengths: 3m(5~500kg)

Diameter: Φ5

Option: Customized cable length

Connection mode:

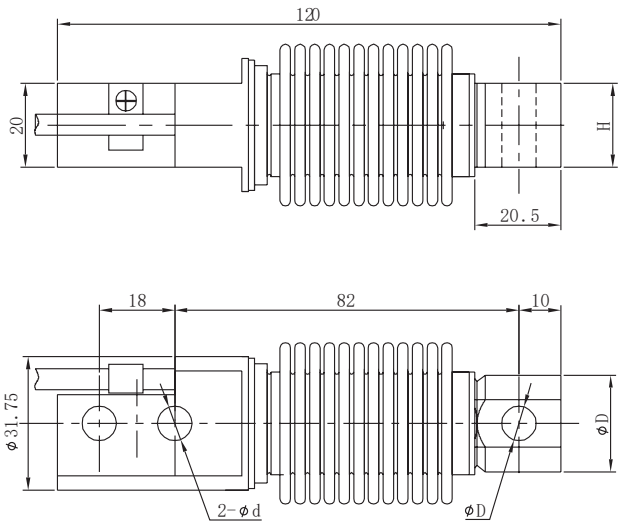


LP7120C



Dimensions:

Unit (mm)



Rated Capacity	5/10/20/30/40/50/75/100/150/200/250/300/500kg
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	400±20Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ（at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Floor scales, Pallet scales, Weighing modules, etc.

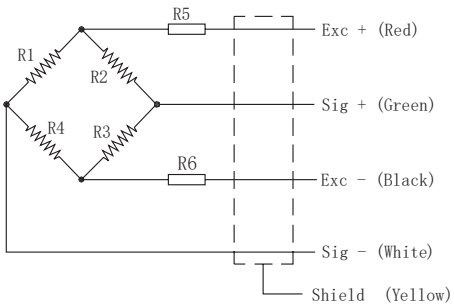
Cable length:

4 Core cable standard lengths: 3m(5~500kg)

Diameter: Φ5

Option: Customized cable length

Connection mode:



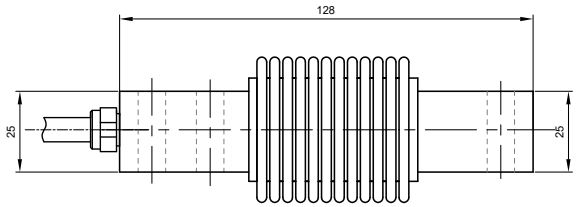
Capacity	d	D	H
5,10,20,30,40,50,75,100,150,200	8.2	23	20
250,300,500kg	10.2	24	19

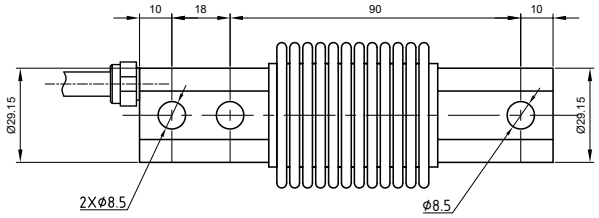
LP7120E



Dimensions:

Unit (mm)





Rated Capacity	15/30/60/100/150/300 kg
Accuracy Class	C3
Rated Output	2.0±10% mV/V
Total error	±0.01% F.S
Creep（30min）	±0.01% F.S
Input Resistance	410±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel

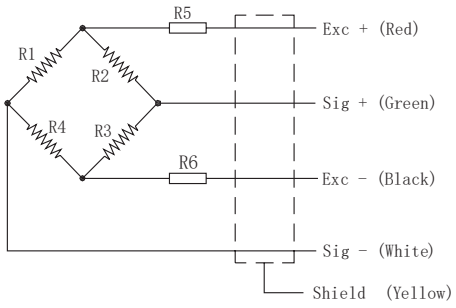
Cable length:

4 Core cable standard lengths: 3m(5~500kg)

Diameter: Φ5

Option: Customized cable length

Connection mode:

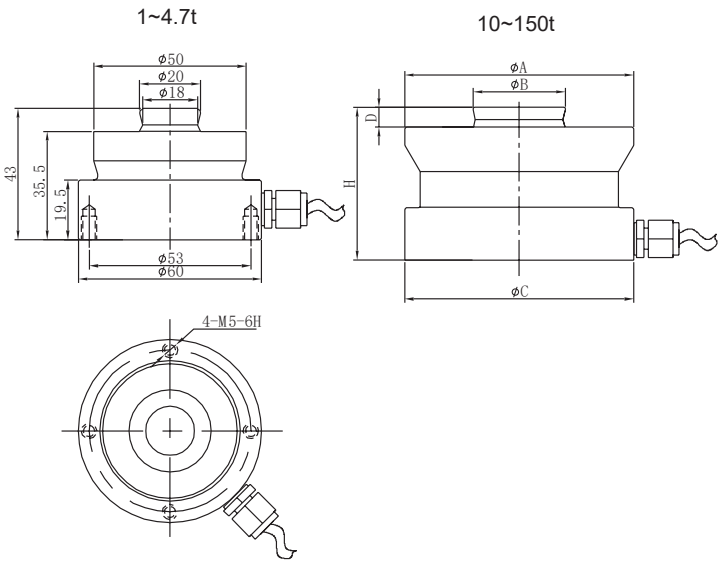


LP7130



Dimensions:

Unit (mm)



Rated Capacity	1/2.2/3.3/4.7/10/15/22/33/47/68/100/150t
Total error	±0.03%F.S
Rated Output	2.85±0.005mV/V
Temperature effect on Zero	±0.03%F.S/10°C
Temperature effect on Sensitity	±0.03%F.S/10°C
Creep (30min)	±0.03%F.S
Input Resistance	1450±10Ω
Output Resistance	1450±5Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Hopper, Silo, Tundish scales, Weighing modules, etc.

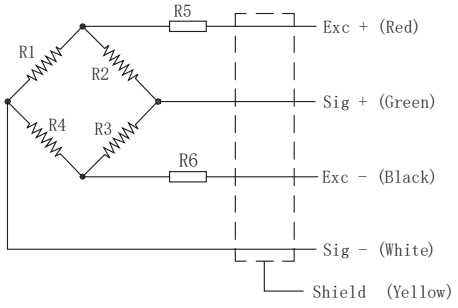
Cable length:

4 Core cable standard lengths: 8m(1~4.7t),12m (33~22t),16m(47~150t)

Diameter: Φ5

Option: Customized cable length

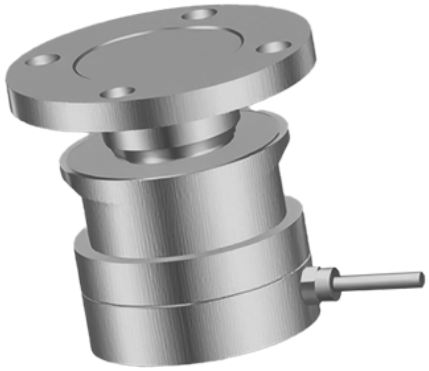
Connection mode:



Capacity \ Dimension	A	B	C	D	H
10~22t	75	30	75	6.5	50
33t	95	40	95	10	65
47t	130	60	130	14	75
68t	130	60	130	14	85
100t	150	70	150	16	90
150t	150	70	150	16	100

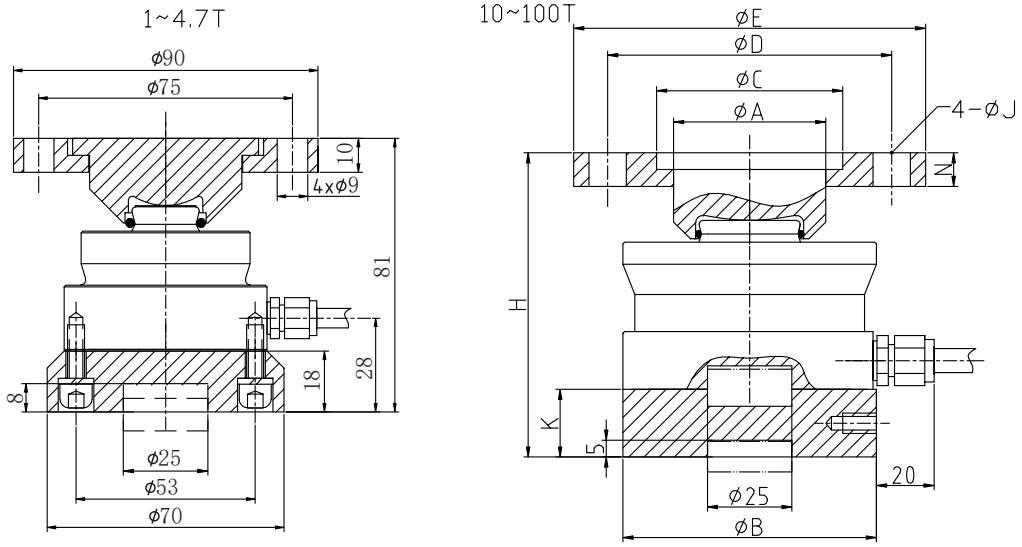
LP7230

Weighing Module



Dimensions:

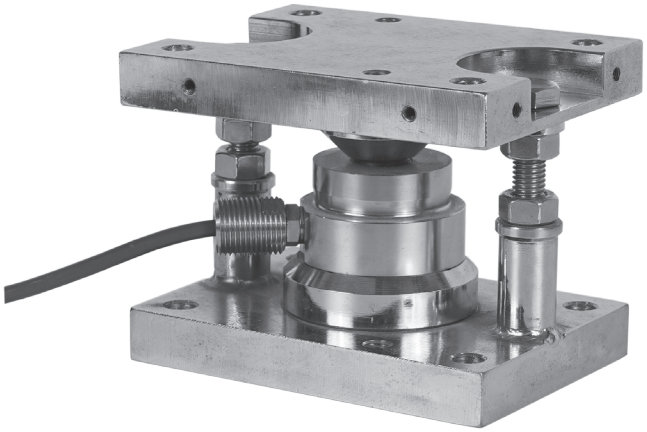
Unit (mm)



Size(mm) / Capacity	A	B	C	D	E	H	K	J	N
10~22t	45	75	55	80	100	95	20	11.5	10
33t	58	95	68	95	120	120	25	13	12
47t	80	130	92	130	170	140	30	17.5	20
68t	80	130	92	130	170	150	30	17.5	20
100t	100	150	110	150	200	177	40	25	22

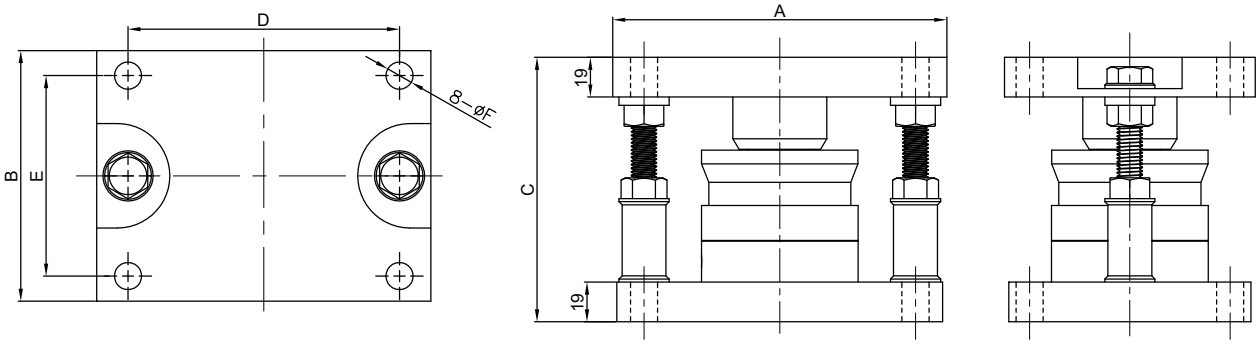
LP7230B

Weighing Module



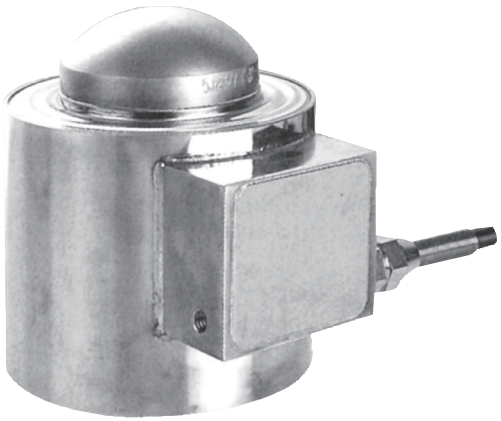
Dimensions:

Unit (mm)



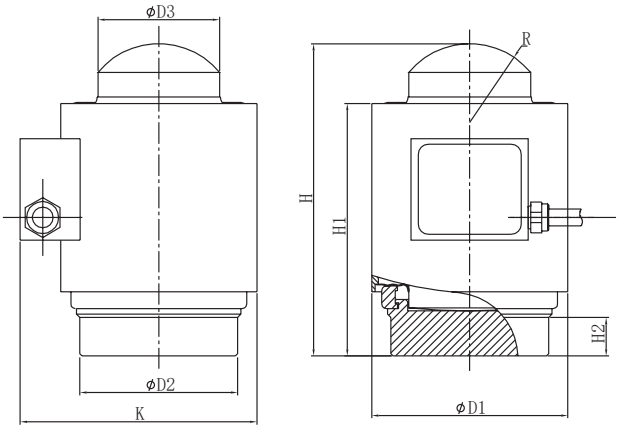
Capacity \ Dimension	A	B	C	D	E	F
1 ～ 4.7t	150	110	115	120	80	11
10~22t	160	120	130	130	96	13
33t	200	140	160	160	110	17
47t	245	165	190	190	120	21
68t	245	165	200	190	120	21
100t	260	180	230	200	130	25
150t	260	180	240	200	130	25
220t	360	280	330	290	220	32

LP7131



Dimensions:

Unit (mm)



Rated Capacity	2/5/10/20/30/50/75/100/150/200/250/300t
Total error	±0.03%F.S
Rated Output	1.0±0.002mV/V
Temperature effect on Zero	±0.03%F.S/10°C
Temperature effect on Sensitity	±0.03%F.S/10°C
Creep (30min)	±0.03%F.S
Input Resistance	650±10Ω
Output Resistance	610±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Hopper, Silo, Tundish Scales, Weighing modules, etc.

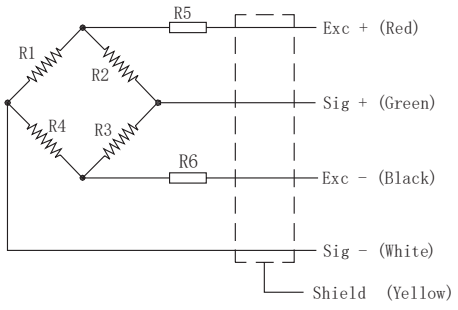
Cable length:

4 Core cable standard lengths: 8m(2~5t),14m (10~50t),18m(200~300t)

Diameter: Φ5

Option: Customized cable length

Connection mode:

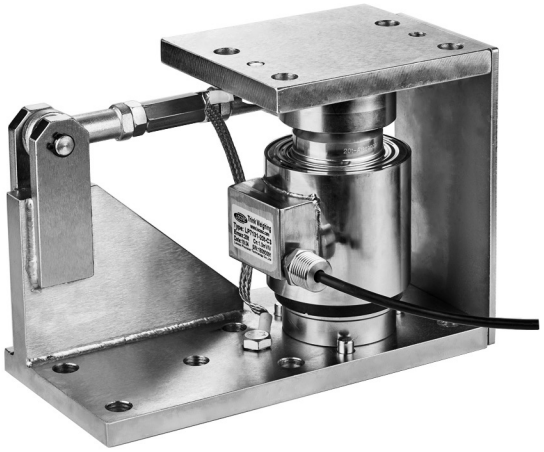


Dimension / Capacity	H	H1	H2	D1	D2	D3	R	K
2~5t	138.5	112	17	89	70	24	15	106
10~50t	138.5	112	17	89	70	54	35	106
100t	200	167	40	120	105	76	50	138
200~300t	270	220	50	159	143	108	70	180

LP7231

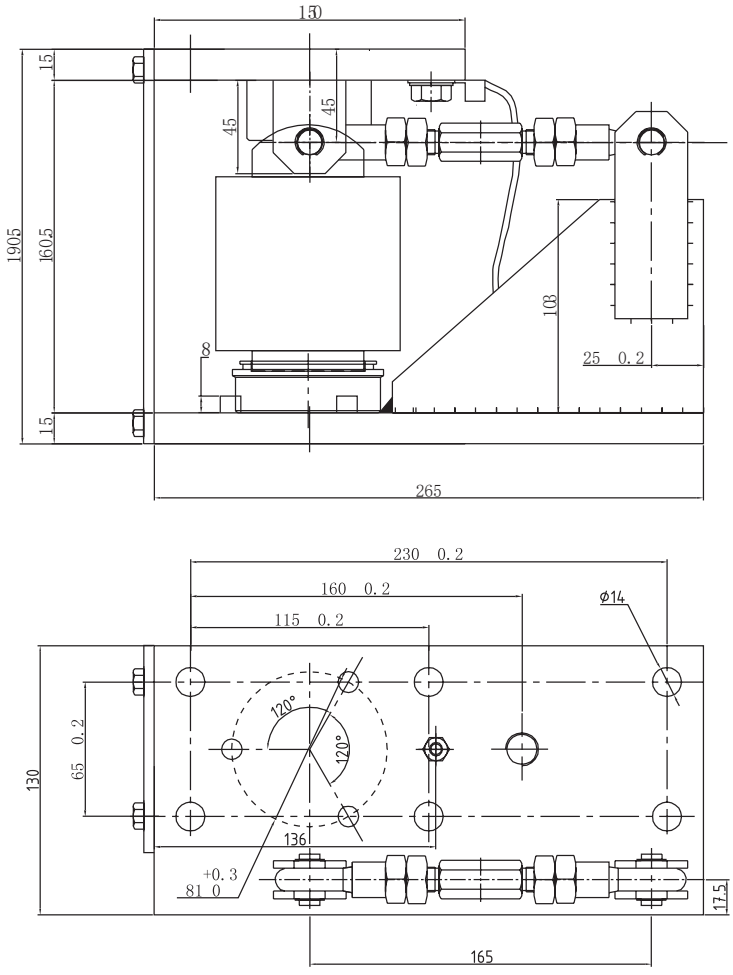
Weighing Module

Rated Capacity: 5/10/20/30/50t
Structural characteristics : With transverse constrainer rod, optional lift-off device

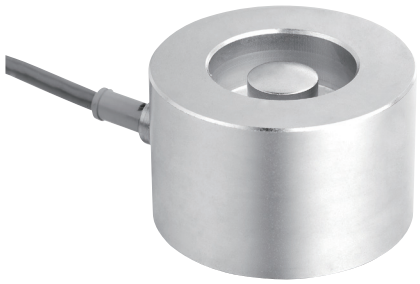


Dimensions:

Unit (mm)

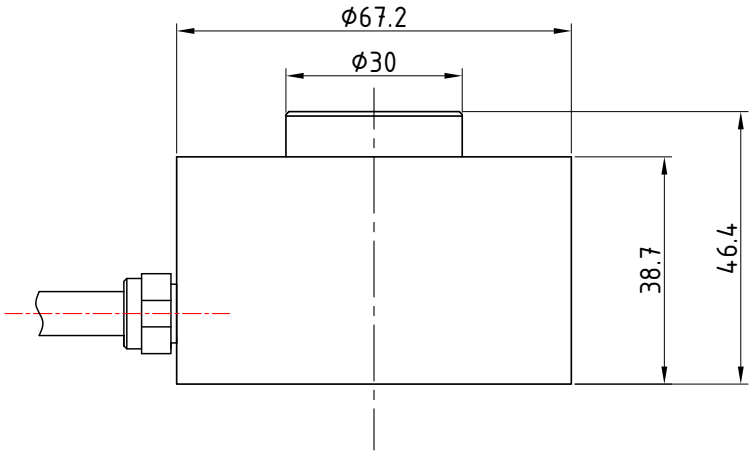


LP7132



Dimensions:

Unit (mm)



Rated Capacity	0.5/1/2/3/5t
Total error	±0.05%F.S
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.03%F.S/10℃
Temperature effect on Sensitity	±0.03%F.S/10℃
Creep (30min)	±0.03%F.S
Input Resistance	650±10Ω
Output Resistance	610±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Hopper, Soil, Weighing modules, etc.

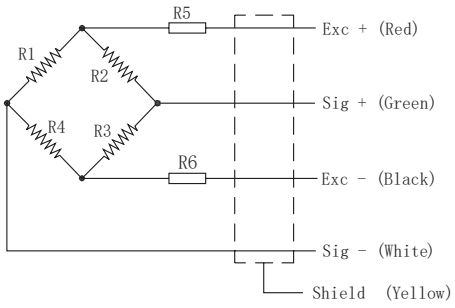
Circuit Diagram:

4 Core cable standard lengths: 6m(500kg~5t)

Diameter: Φ5

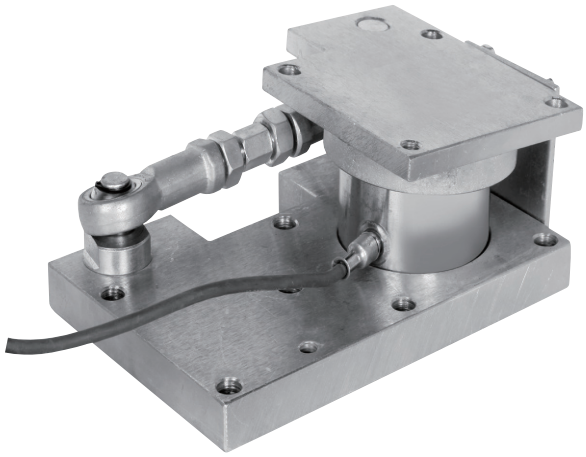
Option: Customized cable length

Connection mode:



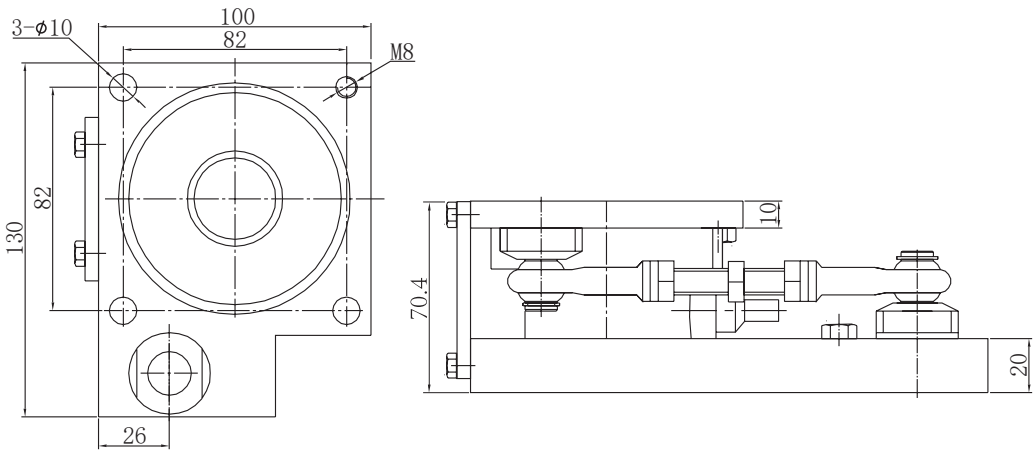
LP7232

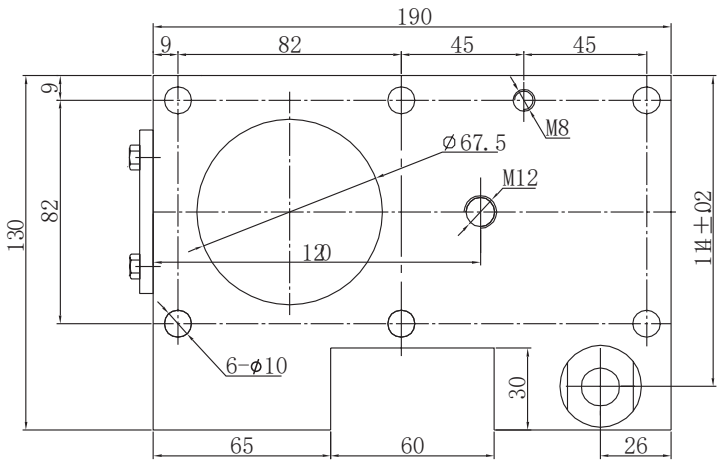
Weighing Module



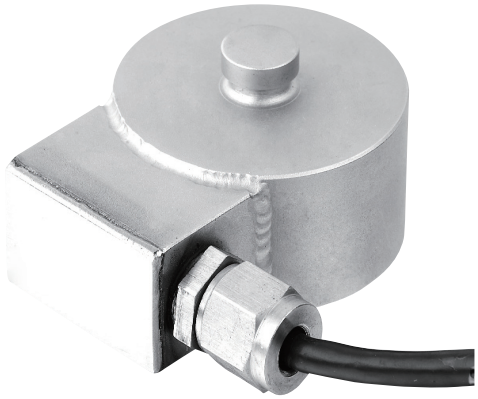
Dimensions:

Unit (mm)



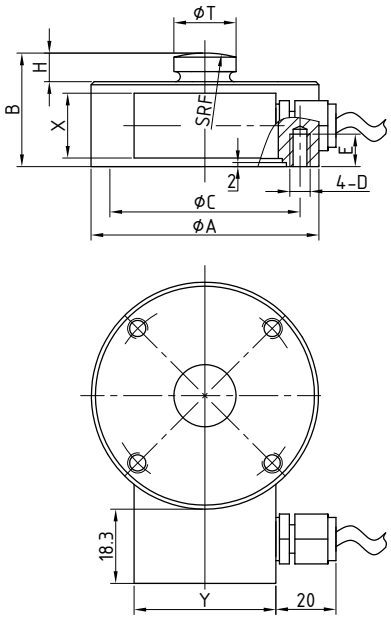


LP7133



Dimensions:

Unit (mm)



Rated Capacity	50/100/200/500kg, 1/2/5/10/20/30/50t
Total error	±0.3%F.S
Rated Output	2.0±0.05mV/V
Temperature effect on Zero	±0.03%F.S/10°C
Temperature effect on Sensitity	±0.03%F.S/10°C
Creep (30min)	±0.05%F.S
Input Resistance	385±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Hopper, Soil, Weighing modules, etc.

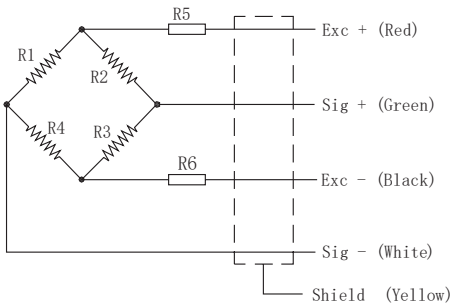
Cable length:

4 Core cable standard lengths: 3m(50kg~1t), 6m(2~5t),12m(10~50t)

Diameter: Φ5

Option: Customized cable length

Connection mode:



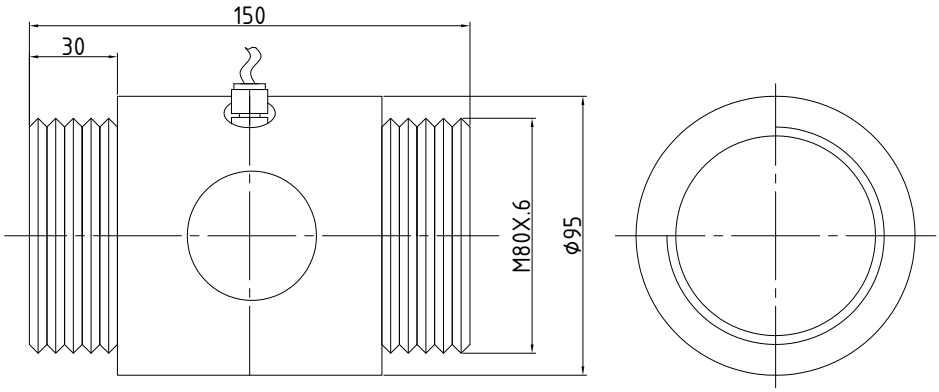
Dimension / Capacity	A	B	C	D	E	F	H	T	X	Y
50kg~1t	50	30	42	M5	7	60	7	13	20	35
2~5t	90	48	70	M10	12	100	12.5	25	30	50
10~20t	115	60	90	M12	16	160	12.5	32	30	50
30~50t	155	90	125	M16	20	300	15.5	44	30	50

LP7133B



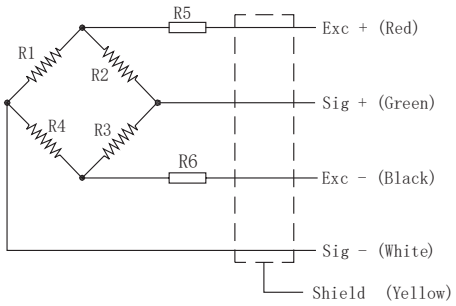
Dimensions:

Unit (mm)



Rated Capacity	10/20/30/40t
Accuracy Class	D1
Rated Output	2.0±0.002mv/v
Non-linearity	±0.1% F.S
Creep (30min)	±0.03%F.S
Input Resistance	700±10Ω
Output Resistance	700±2Ω
Operating Temperature Range	-10~+40°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Hopper, Silo, Tundish scales, Weighing modules, etc.

Connection mode:

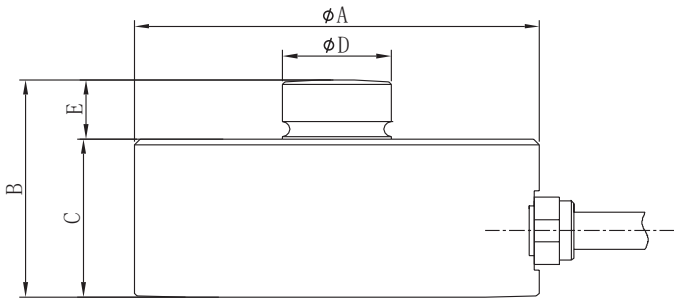


LP7133D

Dimensions:

Unit (mm)





Rated Capacity	250/500kg, 1/2.5/5/7.5/10/15/30/50/100t
Total error	±0.05%F.S
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	750±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Hopper, Silo, Tundish scales, Weighing modules, etc.

Cable length:

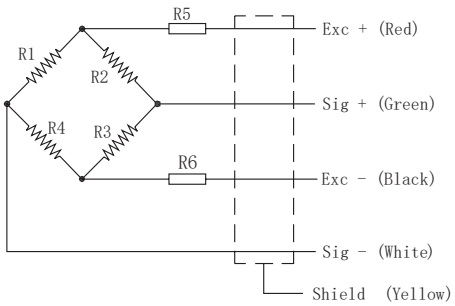
4 Core cable standard lengths:

5m(250kg~10t),10m(15~100t)

Diameter: Φ5

Option: Customized cable length

Connection mode:



Dimension / Capacity	A	B	C	D	E
250kg~10t	82	44	32	22	12
15t	100	48.5	35	28	13.5
30t	126	54	40	35	14
50~100t	165	80	60	60	20

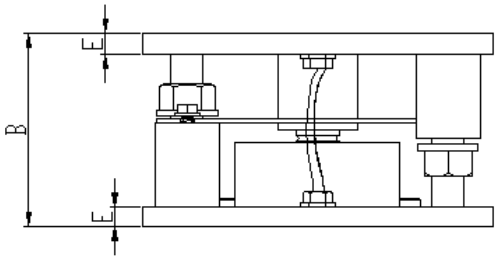
LP7233D

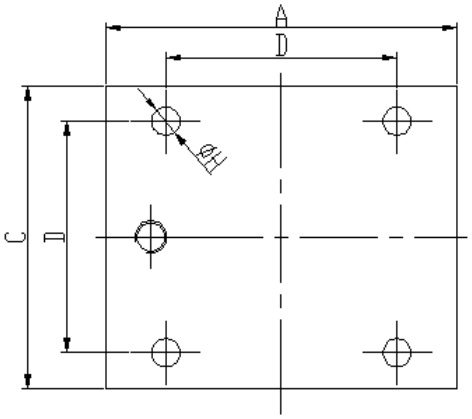
Weighing Module



Dimensions:

Unit (mm)





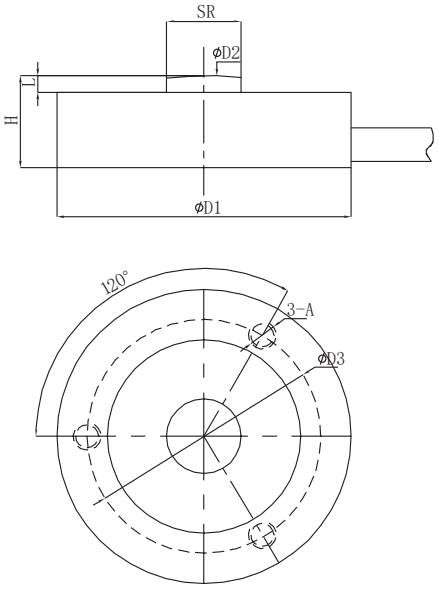
Capacity \ Dimension	A	B	C	D	E	F
10~15t	175	96	150	115	10	14
30t	230	118	200	160	10	17
100t	320	154	320	250	15	23

LP7133N



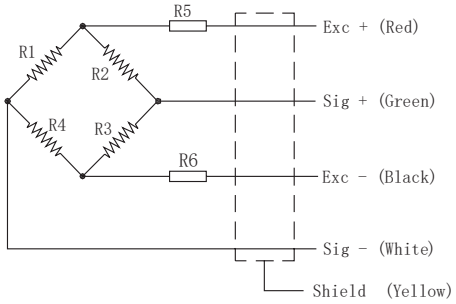
Dimensions:

Unit (mm)



Rated Capacity	200/500lb,1/2/3/5klb
Rated Output	0.5~1.0mV/V
Total error	±0.5%F.S
Temperature effect on Zero	±0.03%F.S/10℃
Temperature effect on Sensitity	±0.03%F.S/10℃
Creep (30min)	±0.03%F.S
Input Resistance	350±5Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Stainless steel
Protection class	IP67
Application for	Hopper, Soil, Testing machine, etc.

Connection mode:



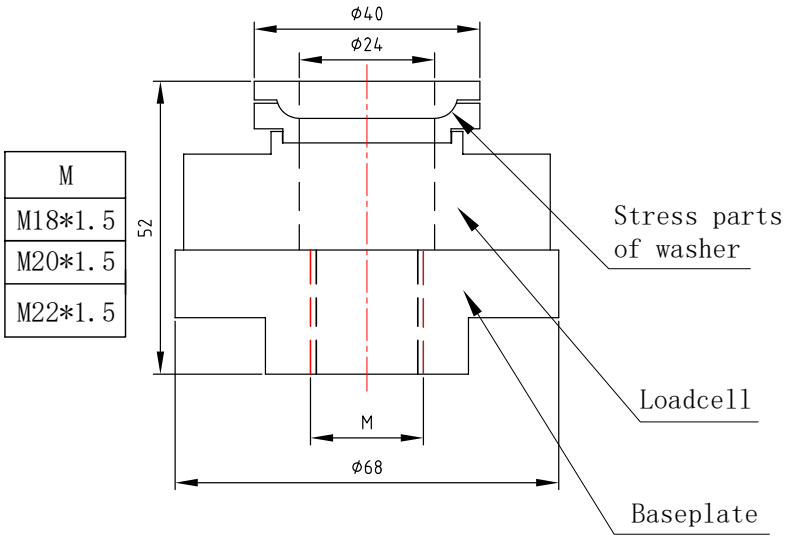
Dimension / Capacity	D1	D2	D3	H	L	A	SR
200lb~2klb	32	8.1	25.4	10	15.7	#6-32UNC	35
3~5klb	38	11	31.4	16	15.7	#6-32UNC	35

LP7133JA



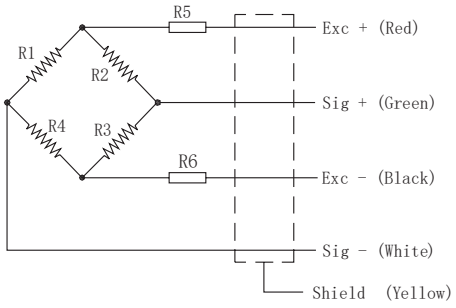
Dimensions:

Unit (mm)



Rated Capacity	3t
Accuracy Class	D1
Rated Output	1.5±0.01mV/V
Non-linearity	±0.05% F.S
Creep (30min)	±0.03% F.S
Input Resistance	750±20Ω
Output Resistance	702±3Ω
Operating Temperature Range	-10~+40°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel, IP67
Application for	Tank scales, Compression testing situation

Connection mode:

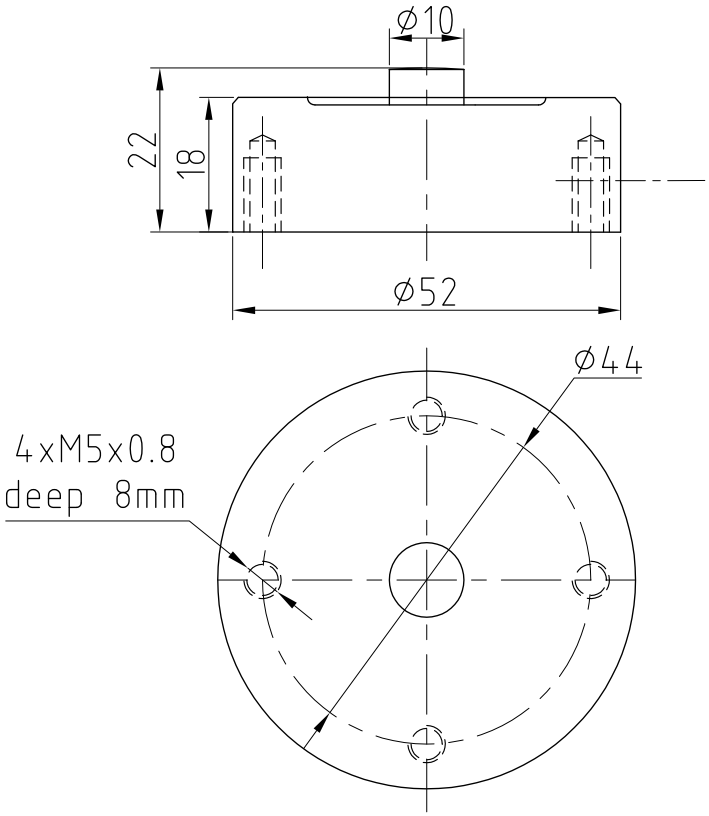


LP7133K



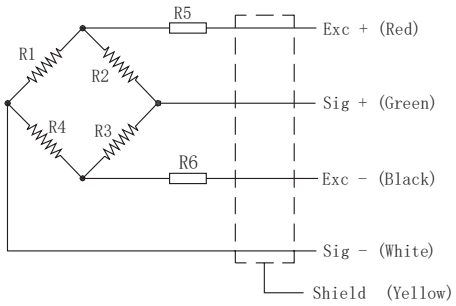
Dimensions:

Unit (mm)

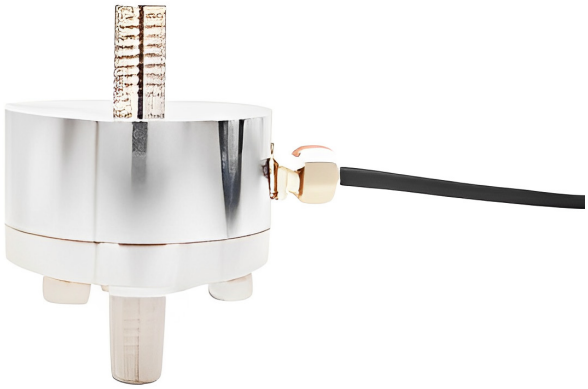


Rated Capacity	50/100/250/500/1000kg
Accuracy Class	D1
Rated Output	2.0±0.002mv/v
Non-linearity	±0.3% F.S
Creep (30min)	±0.3% F.S
Input Resistance	750±10Ω
Output Resistance	700±2Ω
Operating Temperature Range	-10~+40°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel, IP67
Application for	Tank scales, Compression testing situation

Connection mode:



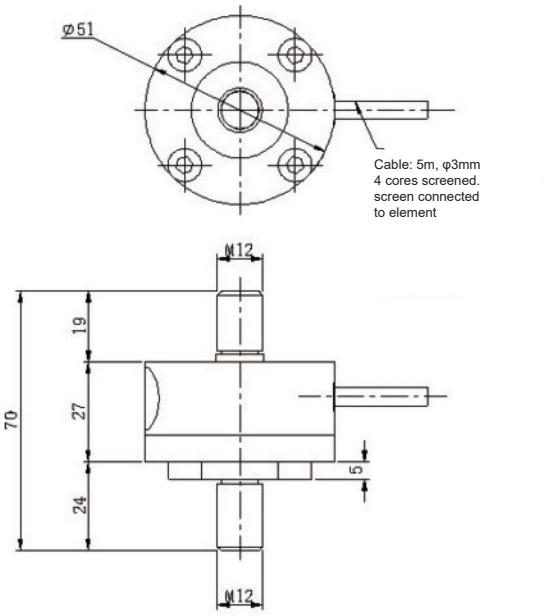
LP7133KC



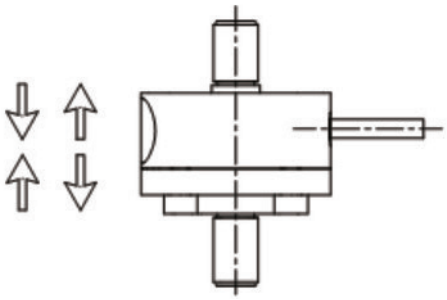
Capacity	500N 1,2,5,10,20,30,50kN
Sensitivity	1mV/V
Sensitivity tolerance	-10%~+10%
Non-linearity	±0.1% of Cn
Hysteresis	±0.1% of Cn
Creep,DR	±0.1%/30min
Repeatability	±0.1% of Cn
Zero Balance	±0.05mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.05% of Cn
Temperature effect on Sensitivity	±0.05% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal temperature range	-10~+40°C
Service temperature range	-10~+50°C
Storage temperature range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP66

Dimensions:

Unit (mm)



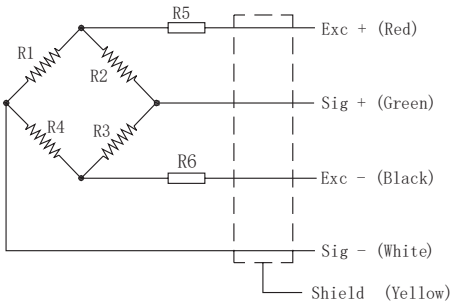
Load direction:



Features:

· Stainless steel
· Low profile, tension and compression
· Protection Class IP66
· Mainly used for press machines and press fitting equipment,can be designed according to the actual press
· Plug connect option

Connection mode:



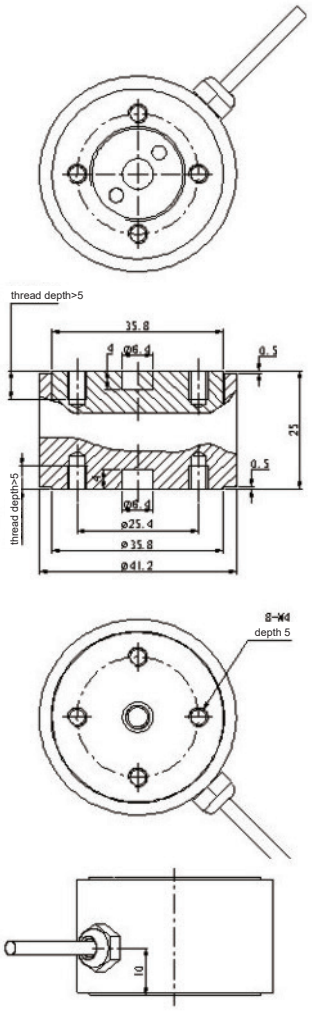
LP7133KD



Capacity	100,200,500N 1,2,5,10kN
Sensitivity	1mV/V
Sensitivity tolerance	-10%~+10%
Non-linearity	±0.1% of Cn
Hysteresis	±0.1% of Cn
Creep,DR	±0.1%/30min
Repeatability	±0.1% of Cn
Zero Balance	±0.02mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.1% of Cn
Temperature effect on Sensitivity	±0.1% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal temperature range	-10~+40°C
Service temperature range	-10~+50°C
Storage temperature range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP66
Material	Stainless steel

Dimensions:

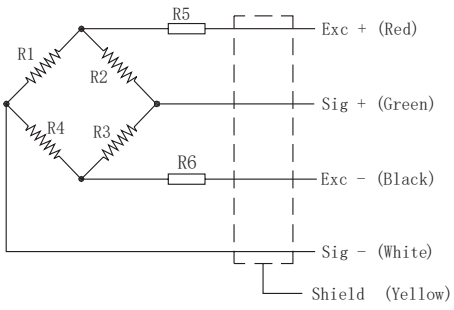
Unit (mm)



Features:

- Small button cell type
- Stainless steel
- Compression
- High protection class

Connection mode:



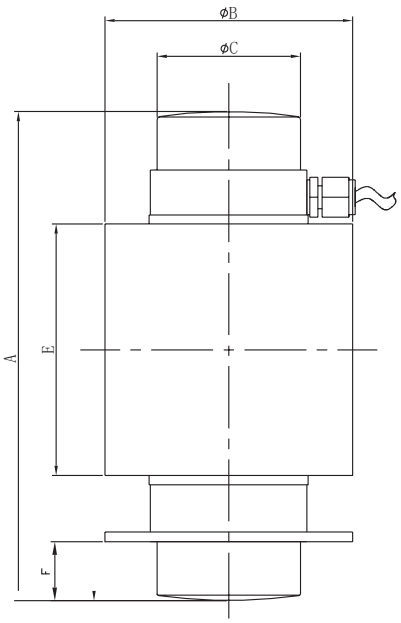
LP7134





Dimensions:

Unit (mm)



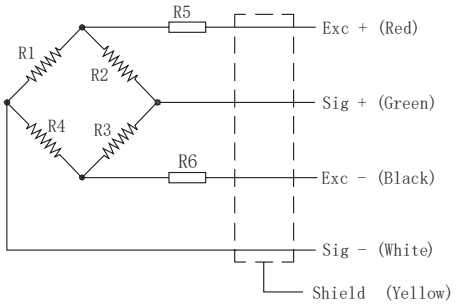
Rated Capacity	10/20/30/40/50/60t
Accuracy Class	OIML C3 NTEP 5000, Class III, Multiple Cell
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Hopper, Soil, Weighing bridge, etc.

Cable length:

Diameter:Φ5

Option: Customized cable length

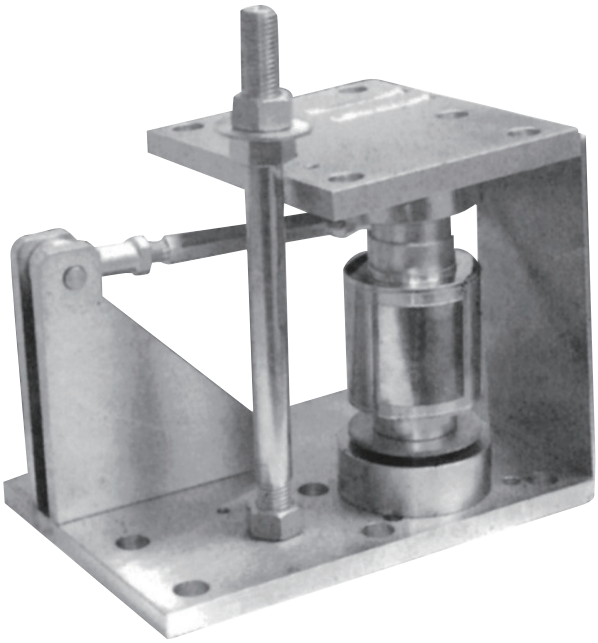
Connection mode:



Dimension / Capacity	A	B	C	E	F
10~50t	150	76	44	82	15.7
60t	210	76	44	82	15.7

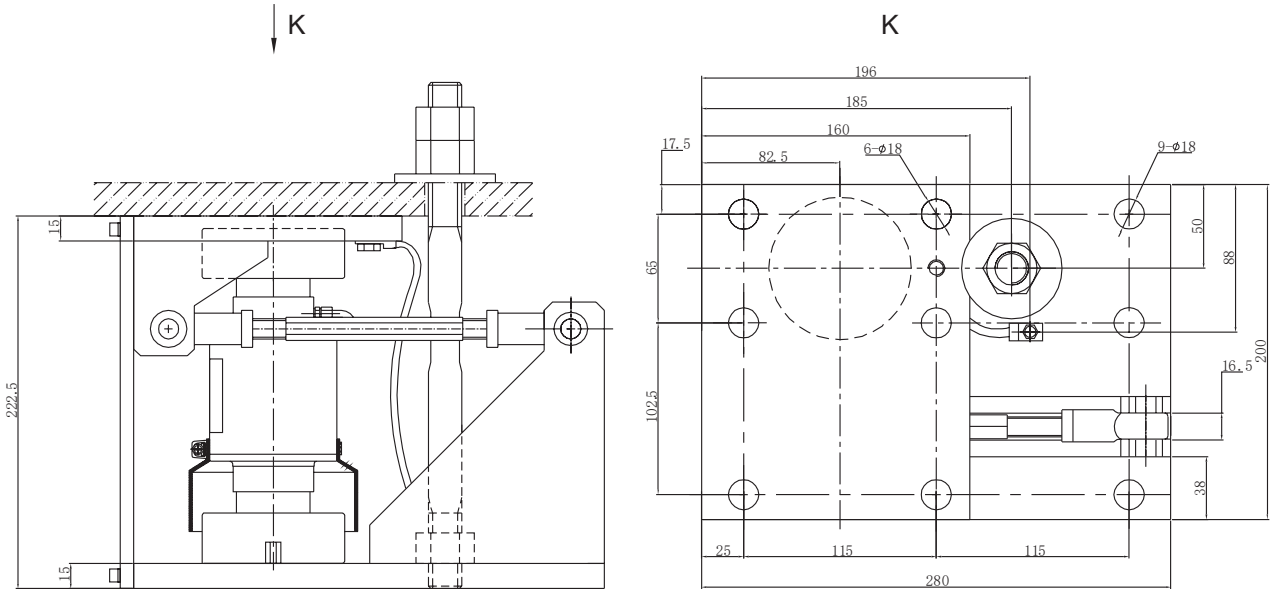
LP7234

Weighing Module

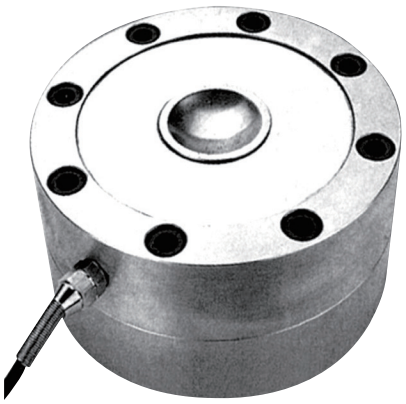


Dimensions:

Unit (mm)

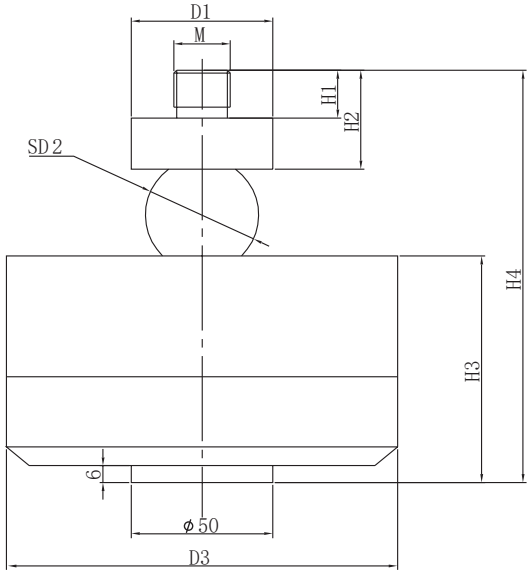


LP7135



Dimensions:

Unit (mm)



Rated Capacity	10/20/25/30/40t
Total error	±0.05%F.S
Rated Output	3.0±0.006mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.05%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Hopper, Soil, Testing machine, etc.

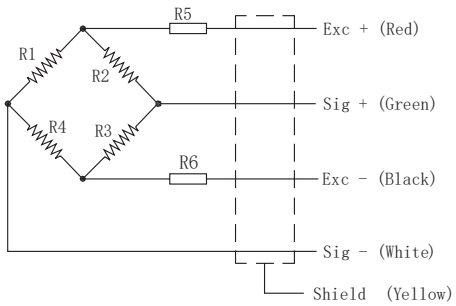
Cable length:

4 Core cable standard lengths: 12m(10~25t), 16m(30~40t)

Diameter: Φ5

Option: Customized cable length

Connection mode:



Dimension / Capacity	D1	D2	D3	M	H1	H2	H3	H4
10t	φ50	φ40	φ138	M20*1.5	17	35	74	134.5
20,25t	φ65	φ50	φ165	M24*1.5	25	50	87	171
30t	φ75	φ50.8	φ165	M30*1.5	25	55	86	176
40t	φ85	φ76.2	φ165	M40*1.5	25	65	95.8	221

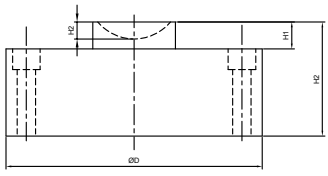
LP7135B

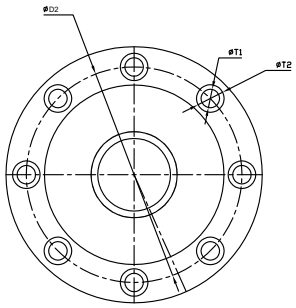


Dimensions:

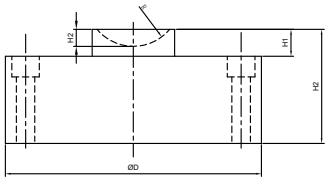
Unit (mm)

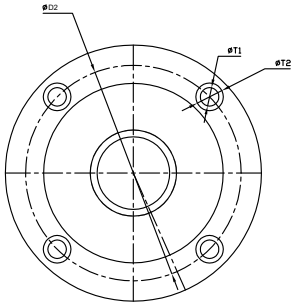
100klb



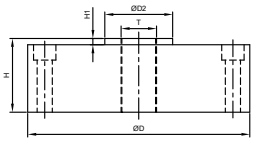


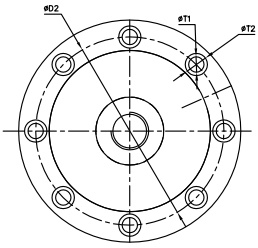
25~50klb





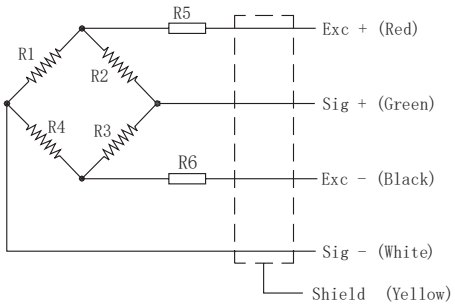
5~10klb





Rated Capacity	5/10/25/50/100klb
Accuracy Class	D1
Rated Output	3.0±0.006mV/V
Non-linearity	±1% F.S
Creep (30min)	±1% F.S
Input Resistance	702±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-10~+40℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Tank scale, Compression testing situation

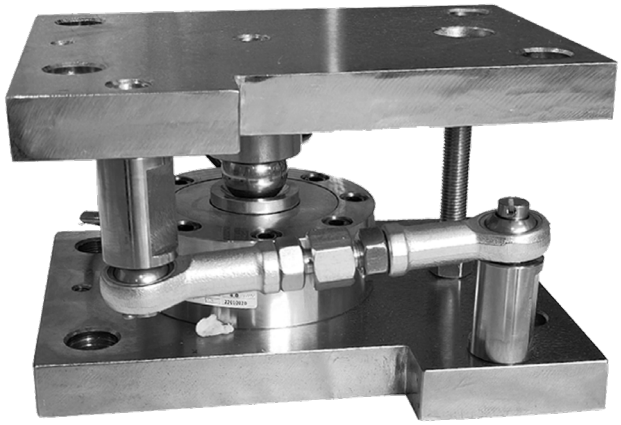
Connection mode:



Capacity	Unit	D	D1	D2	H	H1	H2	R	T	T1	T2
5~10klb	mm	104.7	32.0	88.9	34.8	3.05	…	…	5/8-18UNF	7.2	10.5x 7.2DP
	(inch)	4.12	1.26	3.50	1.37	0.12	…	…	…	0.28	0.41 x0.28DP
25~50klb	mm	120.7	38.9	101.6	53.8	127	7.6	22.2	…	8.7	13.5x 9.70P
	(inch)	4.75	1.53	4.00	2.12	0.50	0.30	0.87	…	0.34	0.53 x 0.38DP
100klb	mm	138	50.4	116.8	572	6.4	7.6	22	…	10.13	16.5 x 11.0DP
	(inch)	5.43	1.98	4.60	2 25	0.25	0.30	0.87	…	0.41	0.65 x 0.43DP

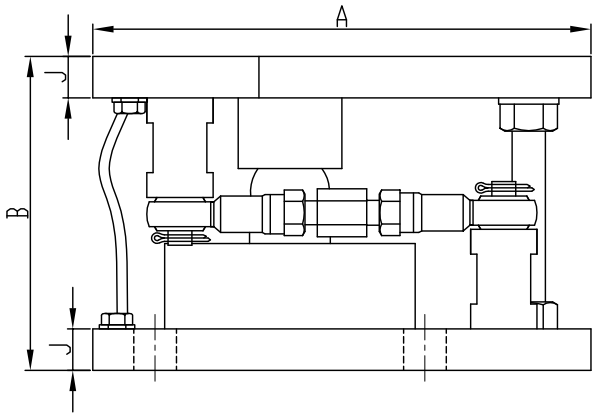
LP7235B

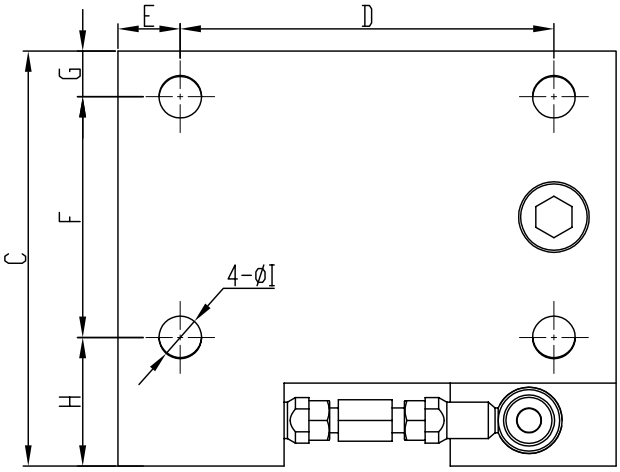
Weighing Module



Dimensions:

Unit (mm)





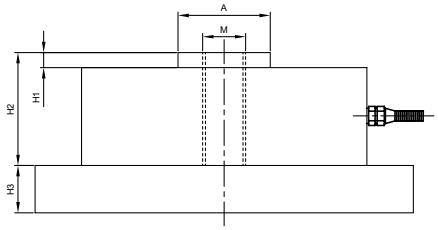
Dimension / Capacity	A	B	C	D	E	F	G	H	I	J
25~50klb	240	151.3	200	180	30	116	22	62	20.5	20
100klb	290	182.7	230	234	28	140	30	60	26	28

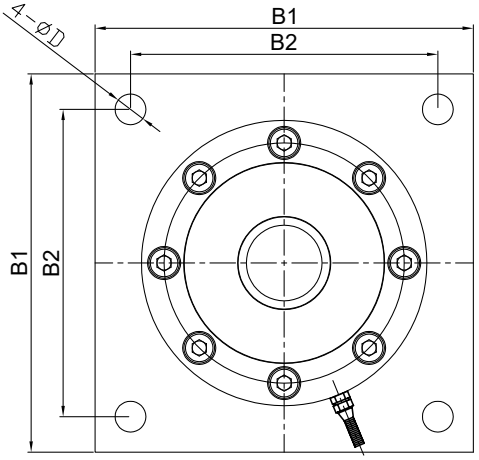
LP7135E



Dimensions:

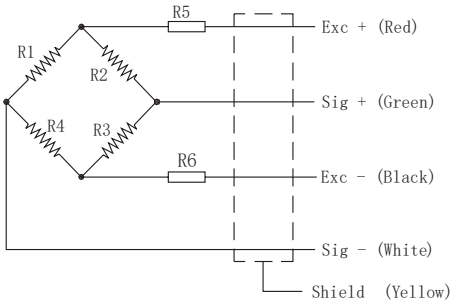
Unit (mm)





Rated Capacity	500kg,1/2/3/5/10/20/30t
Accuracy Class	C3
Rated Output	2.0±0.1%mv/v
Non-linearity	±1% F.S
Creep (30min)	±1% F.S
Input Resistance	702±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-10~+40°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel, IP67
Application for	Tank scales, Compression testing situation

Connection mode:



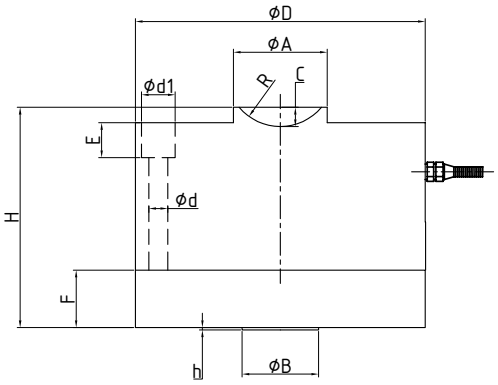
Dimension / Capacity	A	D	M	H1	H2	H3	B1	B2
500kg,1t,2t,3t	29	11	16	3	34.8	18	138	112
5t,10t	39	13	32x2	6.4	47.8	20	160	130
20,30t	50.4	18	39x3	6.4	57.2	25	170	133

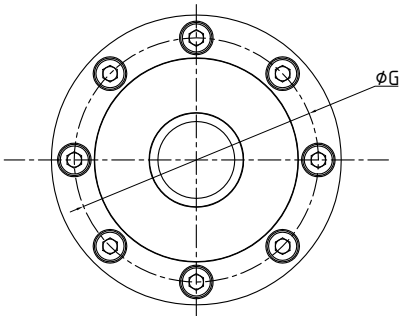
LP7135FA



Dimensions:

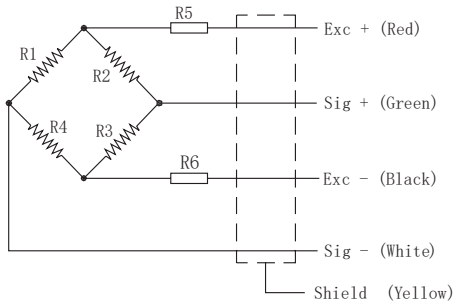
Unit (mm)





Rated Capacity	5/10/25/50/100 klb , 2.5/5/10/25/50t
Accuracy Class	0.05
Rated Output	4.0±0.25% mV/V
Non-linearity	±0.03% F.S
Hysteresis	±0.03% F.S
Creep (30min)	±1% F.S
Input Resistance	385±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-10~+40°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel, IP67
Application for	Tank scales, Compression testing situation

Connection mode:



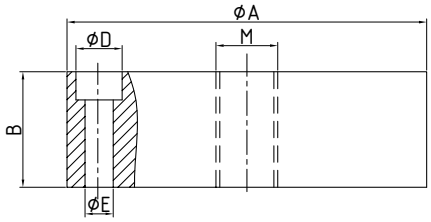
Dimension / Capacity	A	B	C	D	E	H	F	R	G	d	d1	h
5~10klb	1.34	1.25	0.20	4.12	0.28	1.75	0.75	0.64	3.50	0.28	0.41	0.04
25~50klb	1.60	1.25	0.30	4.75	0.38	2.12	0.94	0.88	4.00	0.34	0.51	0.04
100klb	2.00	1.25	0.30	5.50	0.40	2.25	1.14	0.88	4.60	0.41	0.63	0.04
2.5~5t	34.0	31.8	5.0	104.6	7.1	44.5	19.1	16.2	88.9	7.1	10.3	1.0
10~25t	40.6	31.8	7.6	120.7	9.7	53.8	23.9	22.3	101.6	8.7	13	1.0
50t	50.8	31.8	7.6	139.7	10.2	57.2	29	22.3	116.8	10.3	15.9	1.0

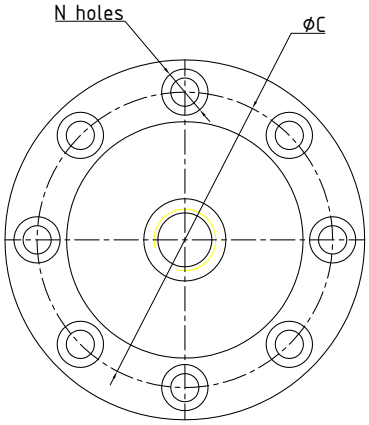
LP7135H



Dimensions:

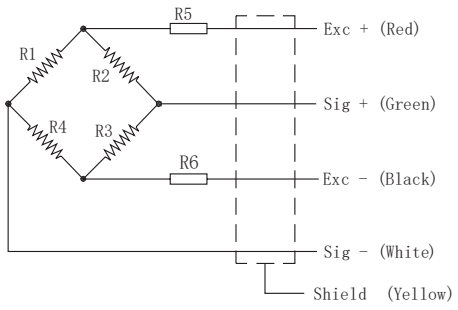
Unit (mm)





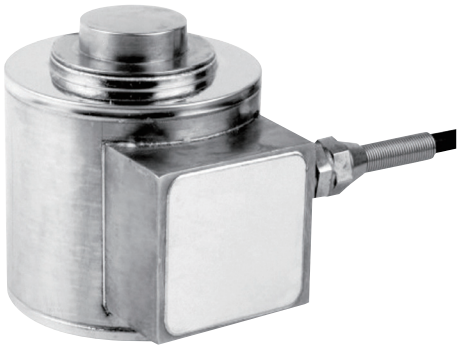
Rated Capacity	250kg,500kg,1/2/2.5/3/5t
Accuracy Class	C3
Rated Output	2.0±0.1%mv/v
Non-linearity	±1% F.S
Creep (30min)	±1% F.S
Input Resistance	750±30Ω
Output Resistance	702±2Ω
Operating Temperature Range	-10~+40°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel, IP67
Application for	Tank scales, Compression testing situation

Connection mode:



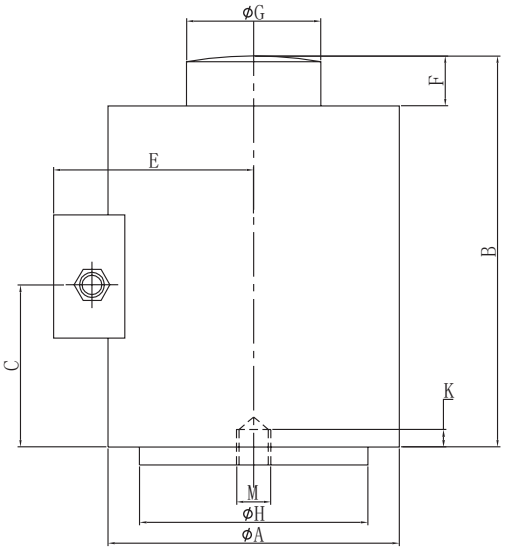
Dimension / Capacity	A	B	C	D	E	M	N
250~500kg	75	25	57	11	6.5	M10*1.5	6 holes
1~2.5t	90	25	366	15	8.5	M12	6 holes
5t	140	45	115	18	11	M24*3	8 holes

LP7136



Dimensions:

Unit (mm)



Rated Capacity	20/25/30/40/50/60/70/100/150/200/300/400t
Total error	±0.05%F.S
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel, IP68
Protection class	IP68
Application for	Hopper, Soil, Testing machine, etc.

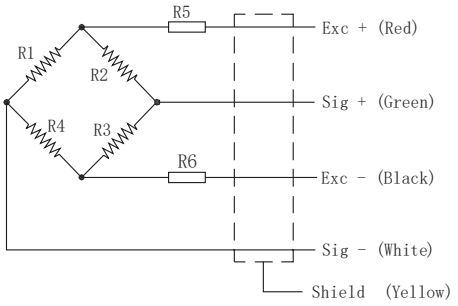
Cable length:

4 Core cable standard lengths: 12m(20t),14m (25~40t),16(50~150t),20m(200~400t)

Diameter: Φ6

Option: Customized cable length

Connection mode:



Dimension / Capacity	A	B	C	D	E	F	G	H	K	M
20t	76	82.6	48	150	56	9	31.8	48	10	M12
25,30,40t	100	117	65	150	76	12	38	38	14	M20
50,60t	107	127	66	200	81	12.7	58	64	14	M20
70t	125	142	91	250	86.5	13	58	64	14	M20
100t	165	184	104	300	111.8	20	70	70	20	M20
150t	165	184	104	300	111.8	20	70	78	20	M20
200t	233	250	157	500	137.5	25	100	112	36	M24
300,400t	233	250	157	500	137.5	25	108	112	36	M24

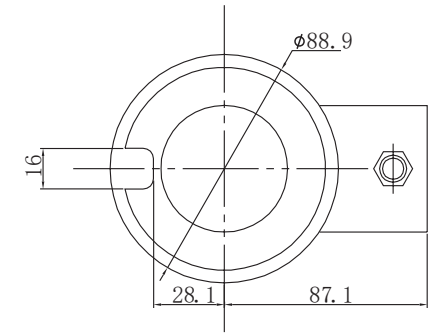
LP7137

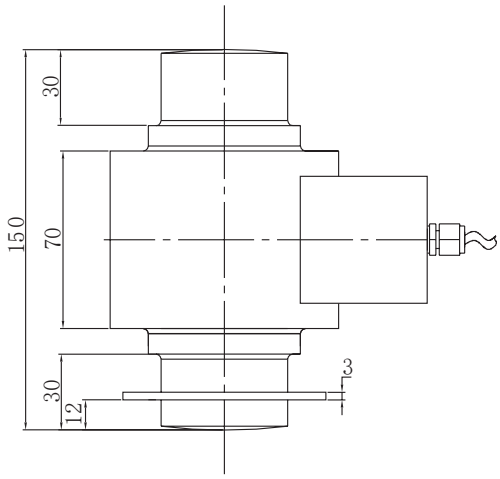




Dimensions:

Unit (mm)





Rated Capacity	10/20/30/40/50t
Accuracy Class	C3
Rated Output	2.0±0.02mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	250%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Hopper, Soil, Testing machine, etc.

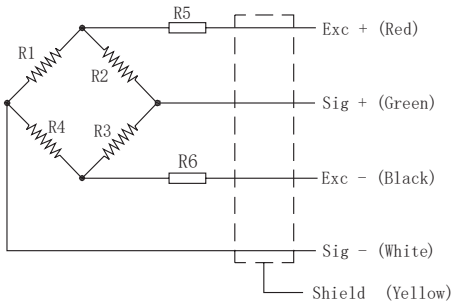
Cable length:

4 Core cable standard lengths: 14m(10~50t)

Diameter: Φ6

Option: Customized cable length

Connection mode:

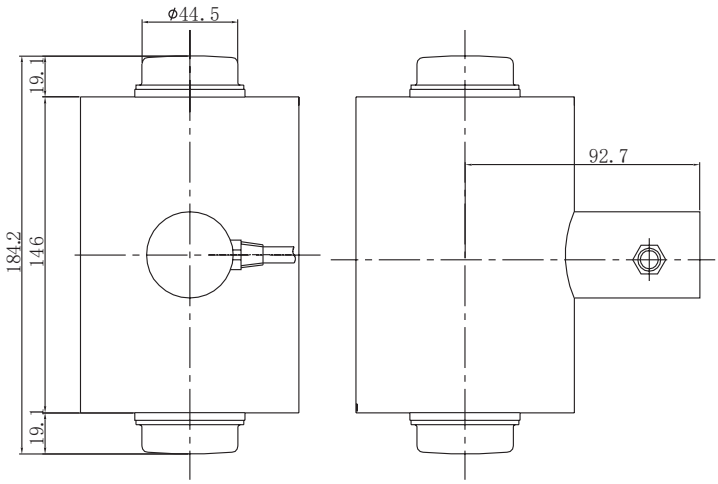


LP7138

Dimensions:

Unit (mm)





Rated Capacity	50/100/120klb
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	1150±10Ω
Output Resistance	1050±10Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Hopper, Soil, Testing machine, etc.

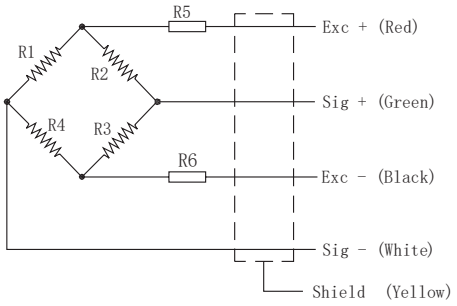
Cable length:

4 Core cable standard lengths: 14m(50~120klb)

Diameter: Φ6

Option: Customized cable length

Connection mode:

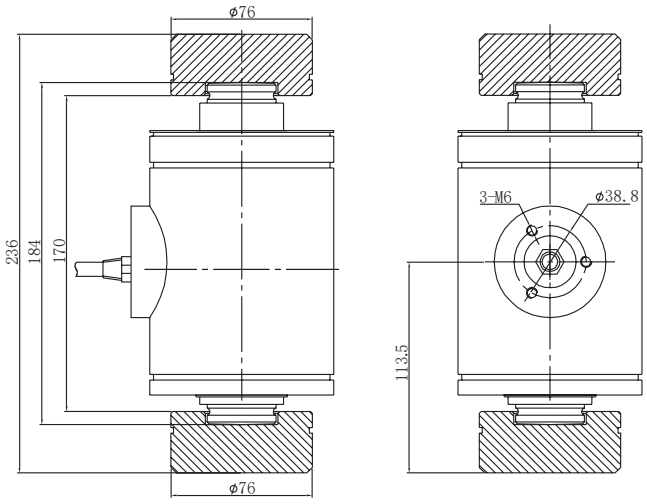


LP7139



Dimensions:

Unit (mm)



Rated Capacity	50/100klb;23/45t
Accuracy Class	C3
Rated Output	1.75±0.02mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	590±10Ω
Output Resistance	480±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Hopper, Soil, Testing machine, etc.

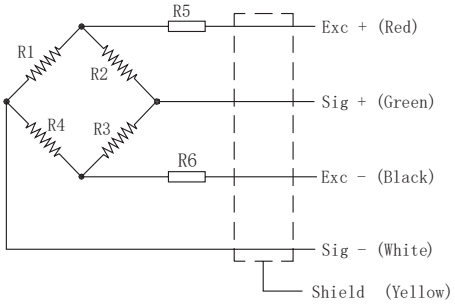
Cable length:

4 Core cable standard lengths: 14m(50~100klb, 23~45t)

Diameter: Φ6

Option: Customized cable length

Connection mode:

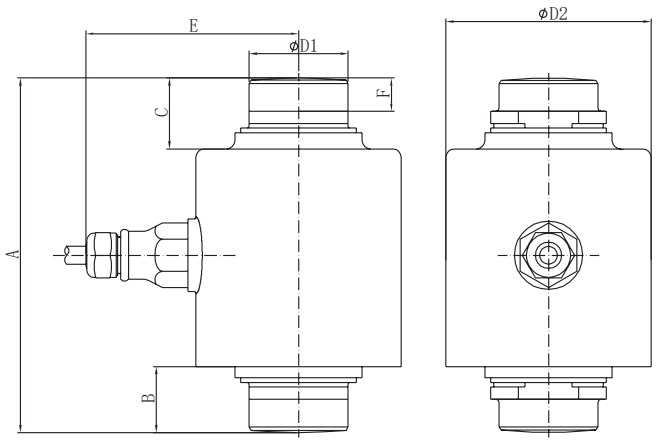


LP7139A



Dimensions:

Unit (mm)



Rated Capacity	7.5/15/22.5/30/40/50/100/150/300t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	1150±50Ω
Output Resistance	1000±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Hopper, Soil, Tank scales, Weighing modules, ect.

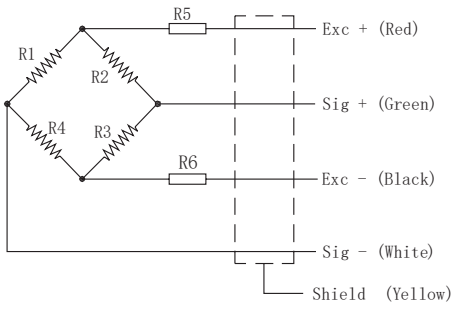
Cable length:

4 Core cable standard lengths: 12m(7.5~22.5t), 18m(30~300t)

Diameter: Φ6

Option: Customized cable length

Connection mode:



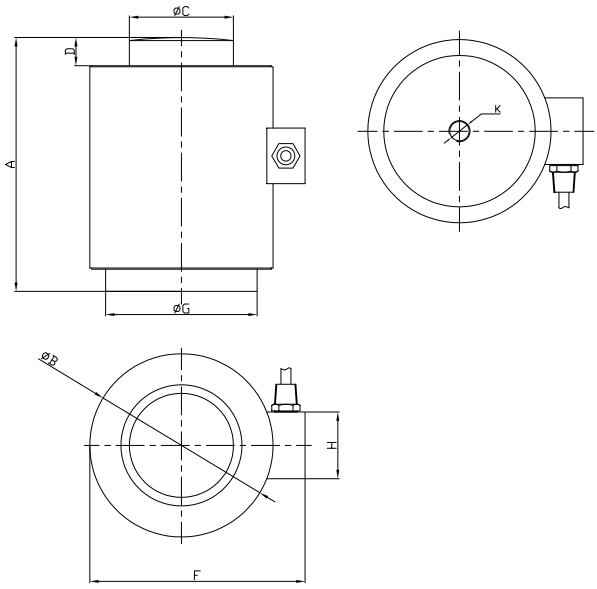
Dimension / Capacity	A	B	C	D1	D2	E	F
7.5t	89	17	23	28	65	75	11
15t	89	17	23	28	65	75	11
22.5t	89	17	23	28	65	75	11
30t	140	26	28	39	81	84	13
40t	150	31	33	39	81	84	13
50t	178	32	34	44	99	94	17
100t	178	38.5	38.5	62	141.3	93.8	17
150t	210	42.7	42.7	76.2	165.1	105.7	20.6
300t	280	55.9	55.9	100	165.1	105.7	25

LP7139C



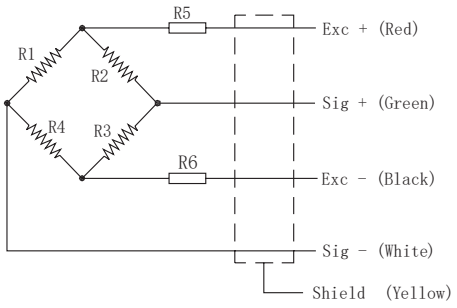
Dimensions:

Unit (mm)



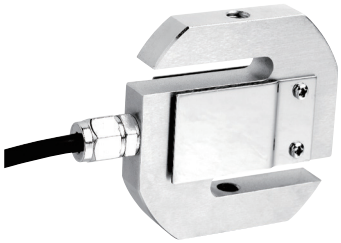
Rated Capacity	100/200/300/500klb;50 /100/150/250t
Accuracy Class	0.05
Rated Output	1.75±0.25% mV/V
Non-linearity	±0.05% F.S
Hysteresis	±0.03% F.S
Creep (30min)	±0.03% F.S
Input Resistance	750±10Ω
Output Resistance	700±5Ω
Operating Temperature Range	-10~+40℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Protection class	IP68
Application for	Tank scales, Compression testing situation

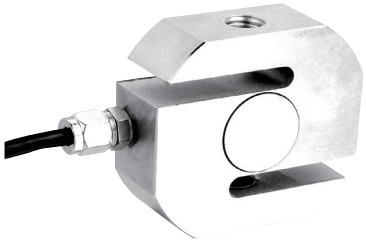
Connection mode:



Dimension / Capacity	A	B	C	D	F	G	H	K
100klb	5.00	4.12	2.31	0.51	5.13	3.25	1.97	3/4-16UNFX0.56DEEP
200~300klb	7.25	6.00	3.13	1.04	7.00	4.88	1.97	3/4-16UNFX0.75DEEP
500klb	9.00	6.50	3.69	1.00	7.63	5.37	1.97	3/4-16UNFX0.75DEEP
50t	127	104.6	58.7	13.0	130.3	82.6	50	M20X1.5X15DEEP
100~150t	184.2	152.4	79.5	26.4	177.8	124	50	M20X1.5X20DEEP
250t	228.6	165.1	93.7	25.4	193.8	136.4	50	M20X1.5X20DEEP

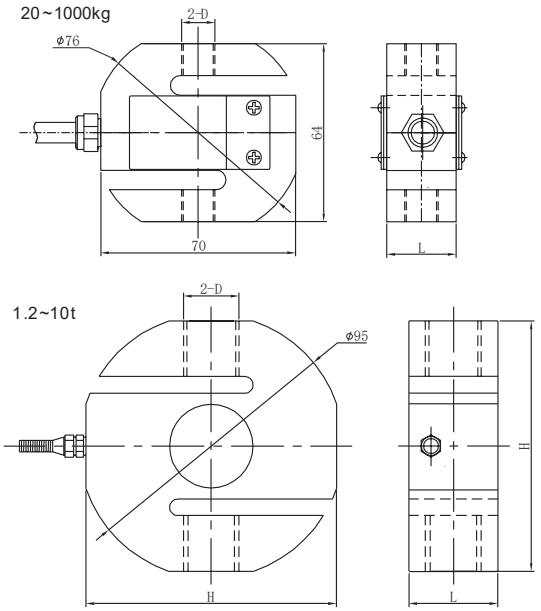
LP7140





Dimensions

Unit (mm)



Rated Capacity	20/30/50/75/100/150/200/300/500/700kg 1/1.2/1.5/2/2.5/3/5/7.5/10t
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel,IP67
Application for	Crane, Packing scales, Tension, etc.

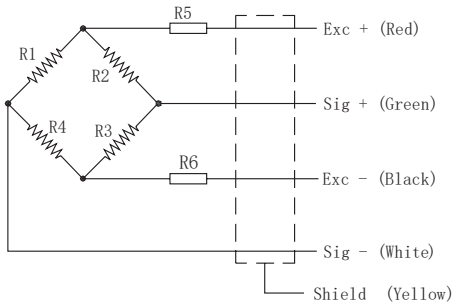
Cable length:

4 Core cable standard lengths: 3m(20kg~1t) ,5m (2~7.5t),8m(10t)

Diameter: Φ5

Option: Customized cable length

Connection mode:

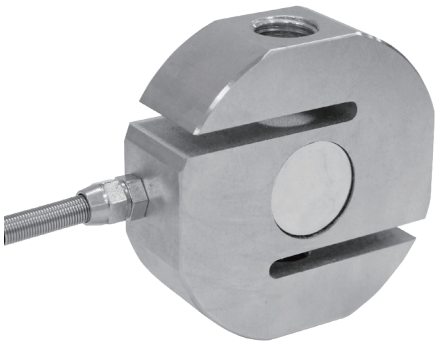


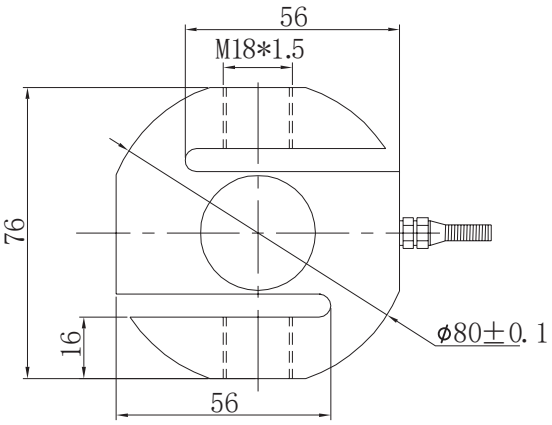
Dimension / Capacity	L	H	D
20~150kg	12	64	M8
200~500kg	20	64	M12
700~1000kg	25	64	M12
1.2~5t	32	90	M20
7.5t	40	90	M24
10t	50	110	M32*2

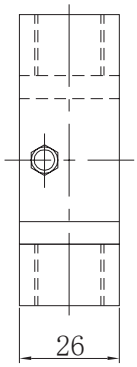
LP7140A

Dimensions:

Unit (mm)







Rated Capacity	1/1.5/2t
Rated Output	2.0±0.002mV/V
Total error	±0.02%F.S
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel, IP67
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

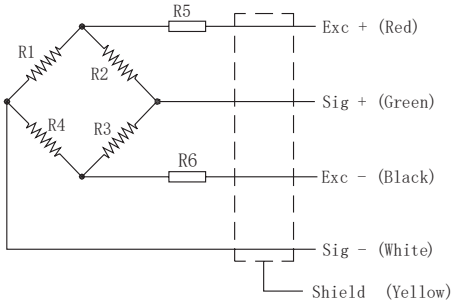
Cable length:

4 Core cable standard lengths: 3m(1~2t)

Diameter: Φ6

Option: Customized cable length

Connection mode:

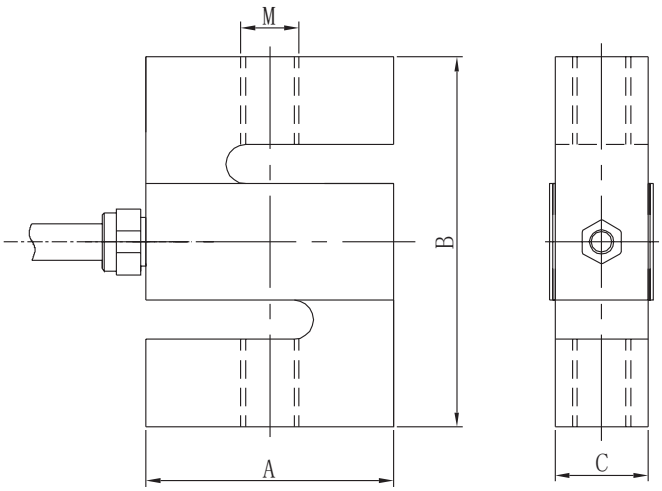


LP7141



Dimensions:

Unit (mm)



Rated Capacity	25/50/75/100/150/200/300/500/750kg; 1/1.5/2/3/5/7.5/10t
Accuracy Class	C3
Rated Output	2.0±0.02mV/V 3.0±0.003mV/V
Temperature effect on Zero	±0.03%F.S/10°C
Temperature effect on Sensitity	±0.03%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

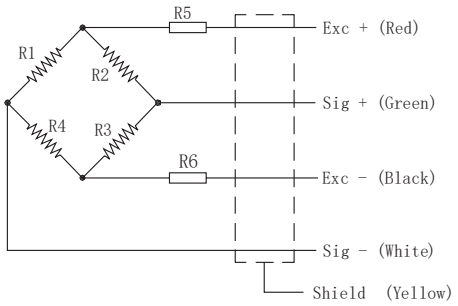
Cable length:

4 Core cable standard lengths: 3m(20kg~1t) ,5m (2~7.5t),8m(10t)

Diameter:Φ5

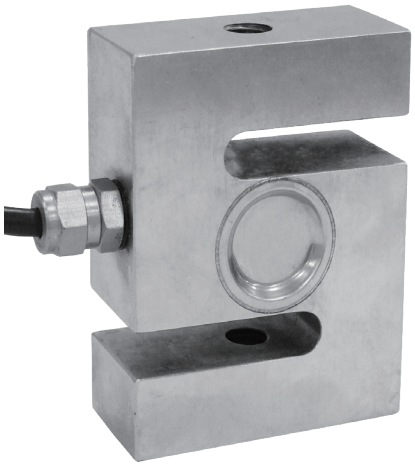
Option: Customized cable length

Connection mode:



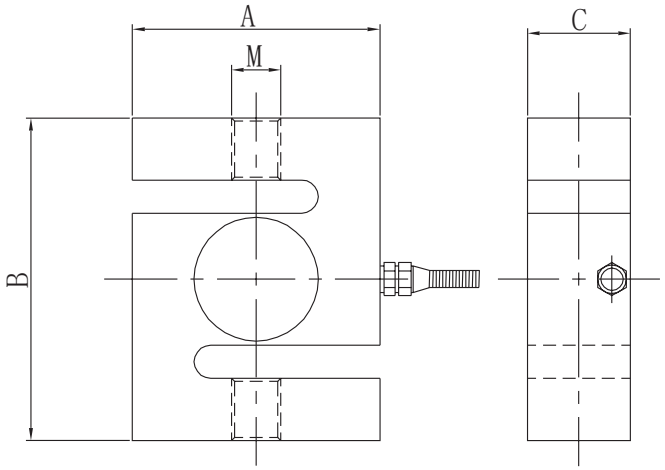
Dimension / Capacity	A	B	C	M
25~75kg	50.8	63.5	12.7	M6*1.0
100~300kg	50.8	76.2	19.1	M10*1.5
500~750kg	50.8	76.2	19.1	M12*1.75
1~1.5t	50.8	76.2	25.4	M12*1.75
2~5t	76.2	108.0	25.4	M20*1.5
7.5t	101.6	139.7	31.8	M24*2
10t	127.0	177.8	50.8	M30*2

LP7141B



Dimensions:

Unit (mm)



Rated Capacity	500kg, 1/2/5t
Rated Output	2.0±0.002mV/V
Total error	±0.03%F.S
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.03%F.S
Input Resistance	385±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

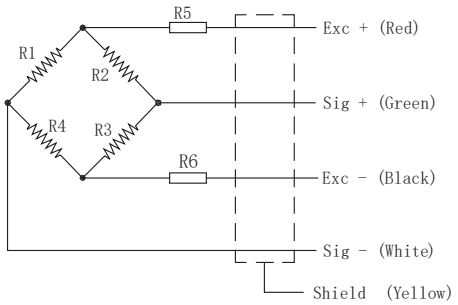
Cable length:

4 Core cable standard lengths: 3m(500kg~5t)

Diameter: Φ5

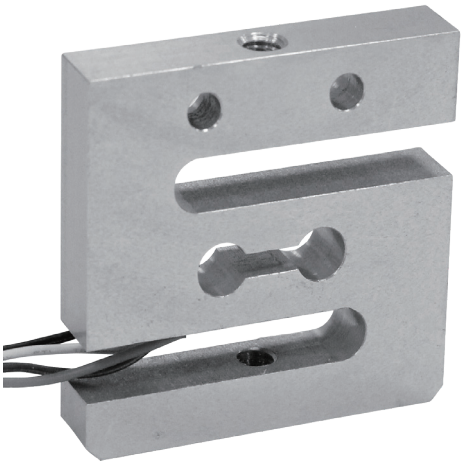
Option: Customized cable length

Connection mode:



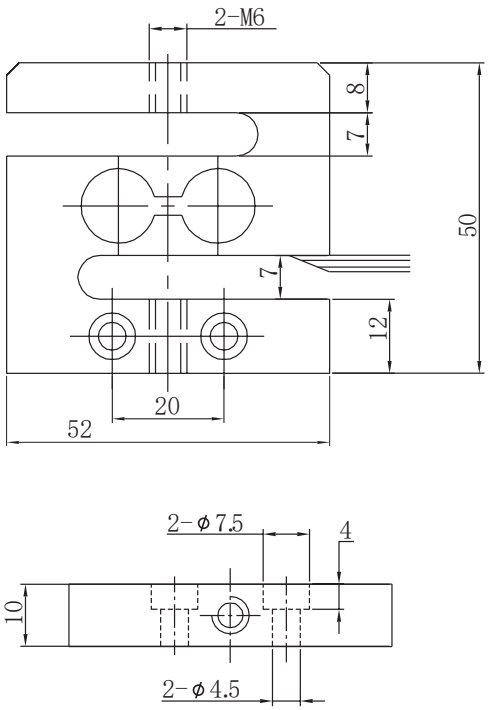
Dimension / Capacity	A	B	C	M
500kg	60	78	25	M12*1.75
1t	60	86	50	M16*2
2t	70	90	50	M16*2
5t	100	136	50	M24*2

LP7141D



Dimensions:

Unit (mm)



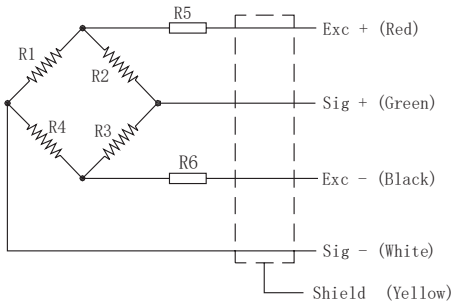
Rated Capacity	1/5/20/50kg
Rated Output	0.5±0.1mV/V(1kg) 1.0±0.2mV/V(5~50kg)
Total error	±0.2%F.S
Temperature effect on Zero	±0.05%F.S/10°C
Temperature effect on Sensitity	±0.05%F.S/10°C
Creep (30min)	±0.05%F.S
Input Resistance	350±5Ω
Output Resistance	350±5Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	120%F.S
Destructive Load	150%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum
Protection class	IP65
Application for	Crane, Packing scales, Tension, etc.

Cable length:

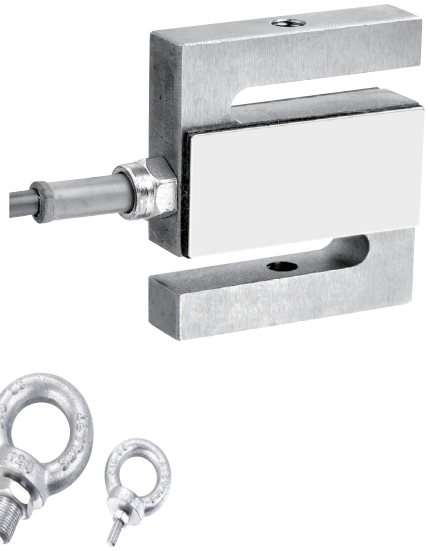
4 Core cable standard lengths: 0.2m(1~50kg)

Option: Customized cable length

Connection mode:

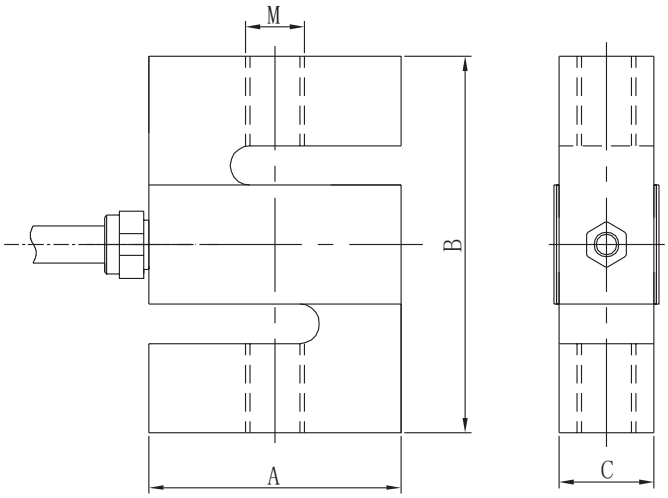


LP7141Y



Dimensions:

Unit (mm)



Rated Capacity	25/50//100/200/250/300/500/750lb; 1/2/2.5/3/5/10/20klb
Accuracy Class	C3
Rated Output	2.0±0.002mV/V 3.0±0.003mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

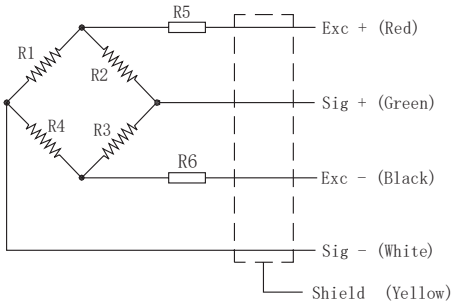
Cable length:

4 Core cable standard lengths: 3m(20kg~1t), 5m(2~7.5t),8m(10t)

Diameter: Φ5

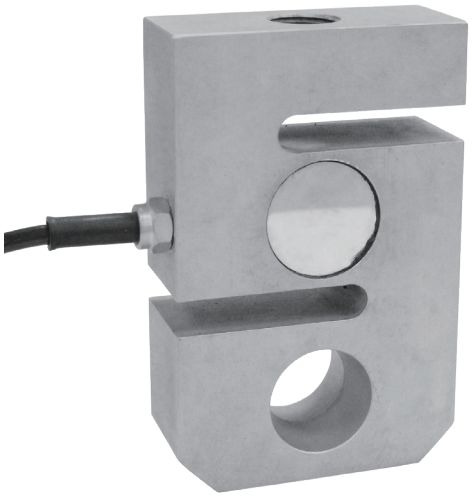
Option: Customized cable length

Connection mode:



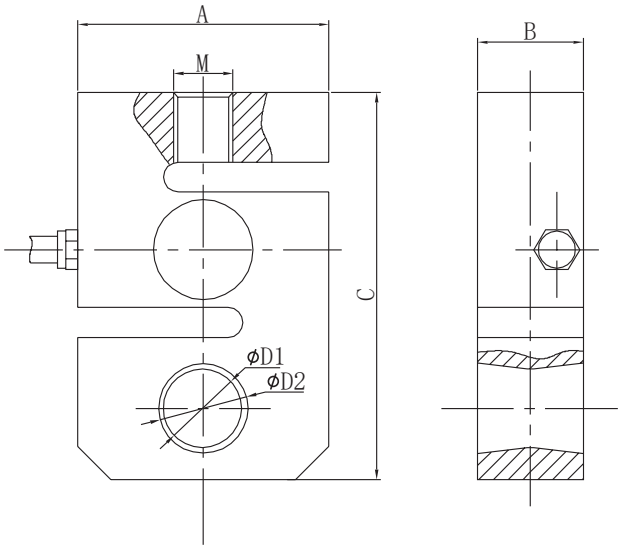
Dimension / Capacity	A	B	C	M
25~200lb	50.8	63.5	12.7	1/4-28UNF
250~300lb	50.8	63.5	12.7	3/8-24UNF
0.5~1.5klb	50.8	63.5	19.1	1/2-20UNF
2~3klb	50.8	76.2	25.4	1/2-20UNF
5~10klb	76.2	108.0	25.4	3/4-16UNF
20klb	127.0	177.8	50.8	1 1/4-12UNF

LP7142



Dimensions:

Unit (mm)



Rated Capacity	1/1.5/2/3/5/7.5/10/15t
Rated Output	2.0±0.002mV/V
Total error	±0.02%F.S
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel,stainless steel
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

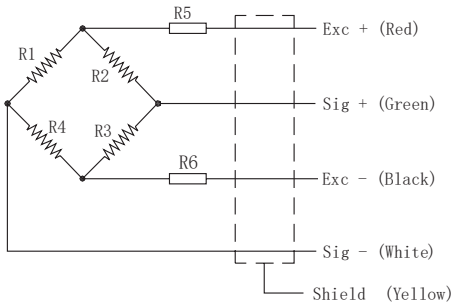
Cable length:

4 Core cable standard lengths: 3m(1~5t) ,6m (7.5t),10m(10t)

Diameter: Φ5

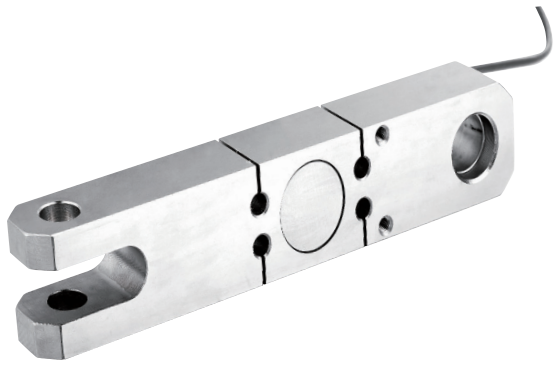
Option: Customized cable length

Connection mode:



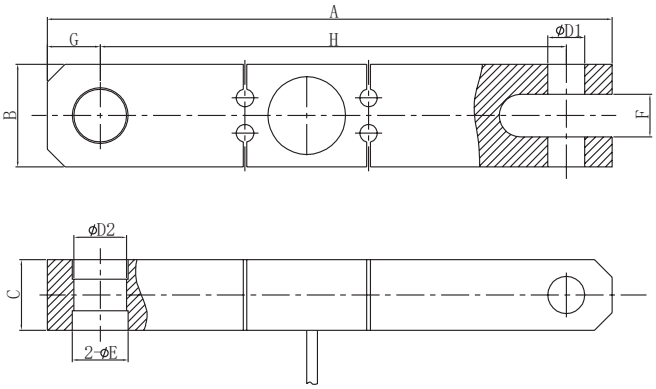
Dimension / Capacity	A	B	C	D1	D2	M
1~5	76	32	117	23.5	27	M18*1.5
7.5t	88	32	125	23.5	27	M24*1.5
10~15t	100	50	167	30	37	M30*2

LP7142B



Dimensions:

Unit (mm)



Rated Capacity	1/2/3/5/10/20t
Accuracy Class	C3
Rated Output	2.0±0.1mV/V
Temperature effect on Zero	±0.03%F.S/10°C
Temperature effect on Sensitity	±0.03%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	760±10Ω
Output Resistance	701±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel,stainless steel
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

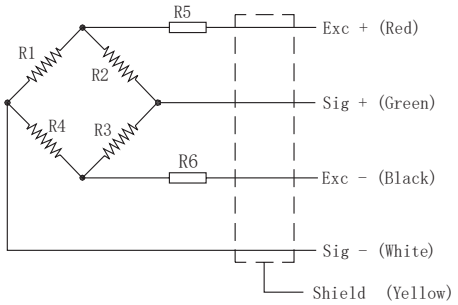
Cable length:

4 Core cable standard lengths: 2m(1~20t)

Diameter: Φ5

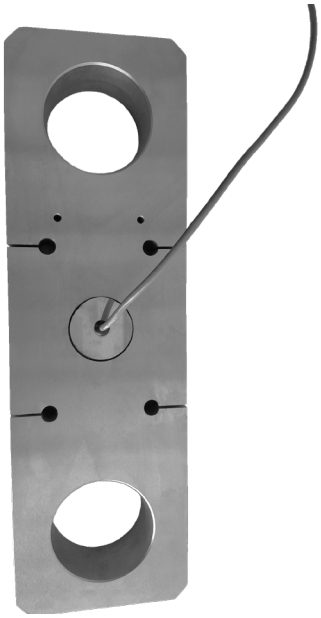
Option: Customized cable length

Connection mode:



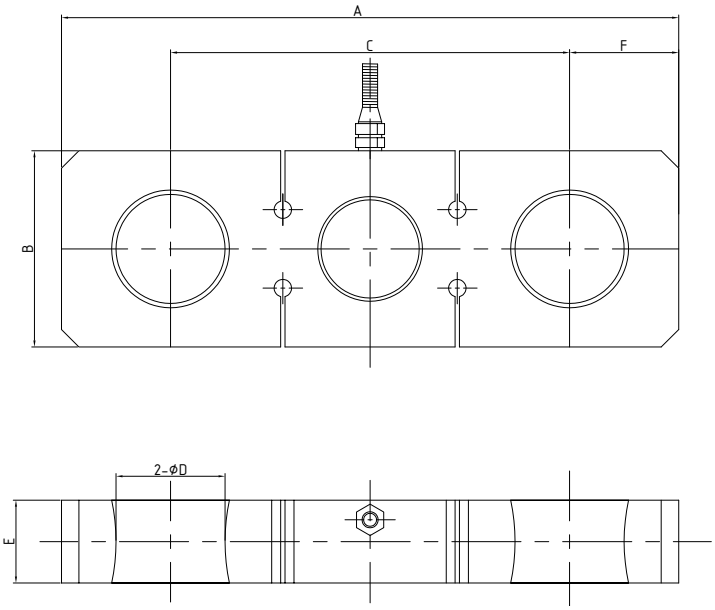
Dimension / Capacity	A	B	C	D1	D2	E	F	G	H
1~3t	320	58	40	21	30	32	24	30	264
5t	350	70	43	25	35	37	26	35.5	287
10t	377	85	53	32	40	42	32	42	201
20t	460	92	71	60	50.5	60	47	49	360

LP7142F



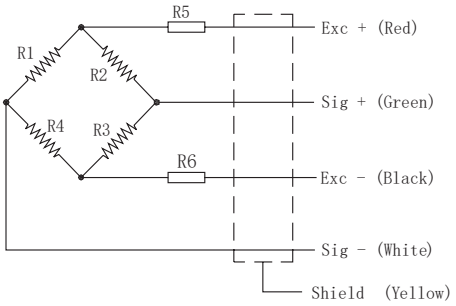
Dimensions:

Unit (mm)



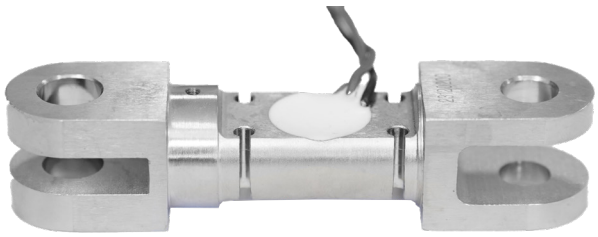
Rated Capacity	25/50/100/150/200/250klb
Accuracy Class	C3
Rated Output	2.0±0.1mV/V
Non-linearity	±0.02% F.S
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-10~+40℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel, IP67
Application for	Crane, Packing scales, Tension, etc.

Connection mode:



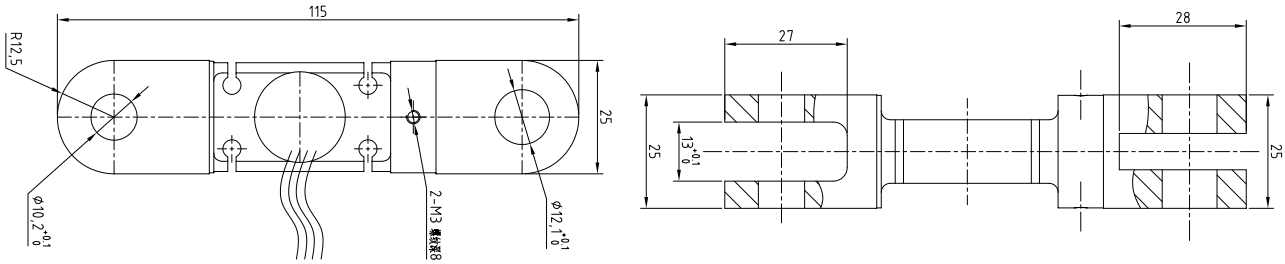
Capacity \ Dimension	A	B	C	D	E	F
25klb	283	90	183	50	38	50
50klb	318	110	210	51	43	54
100klb	420	130	300	71.4	50	60
150klb	500	160	350	80	60	75
200klb	550	170	380	96.4	70	85
250klb	600	180	400	102	80	100

LP7142L



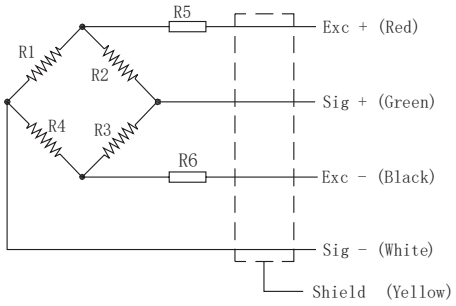
Dimensions:

Unit (mm)

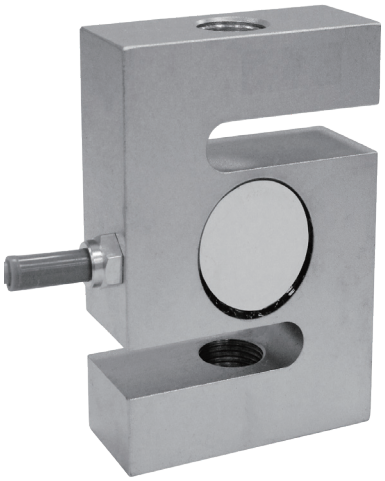


Rated Capacity	500kg
Accuracy Class	D1
Rated Output	1.5±0.1mv/v
Non-linearity	±0.05% F.S
Creep (30min)	±0.05% F.S
Input Impedance	1030±20Ω
Output Impedance	1001±3Ω
Operation Temperature	-10~+40℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel IP66
Application for	Crane scale, Testing equipment

Connection mode:

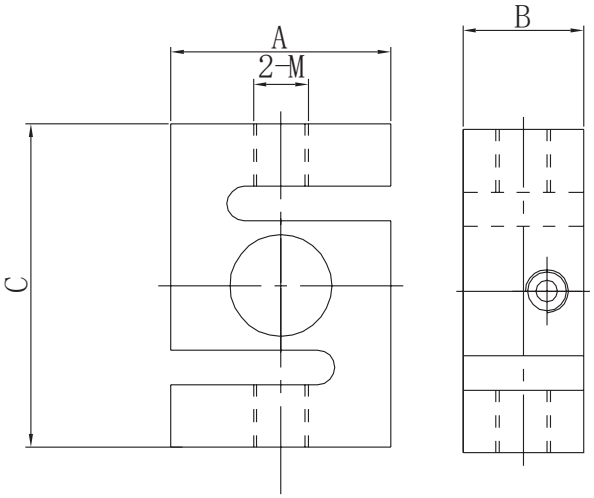


LP7143



Dimensions:

Unit (mm)



Rated Capacity	500/750 kg, 1.5/3t
Rated Output	2.0±0.002mV/V
Total error	±0.02%F.S
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel, stainless steel
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

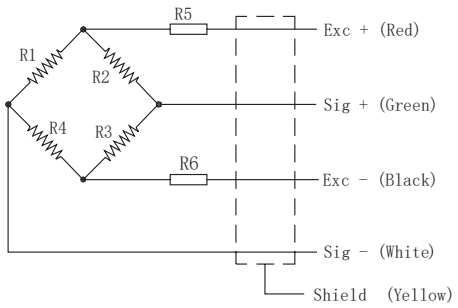
Cable length:

4 Core cable standard lengths: 3m(500kg~1.5t), 6m(3t)

Diameter: Φ5

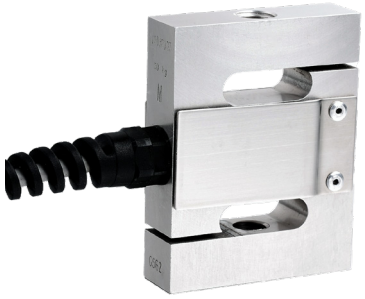
Option: Customized cable length

Connection mode:



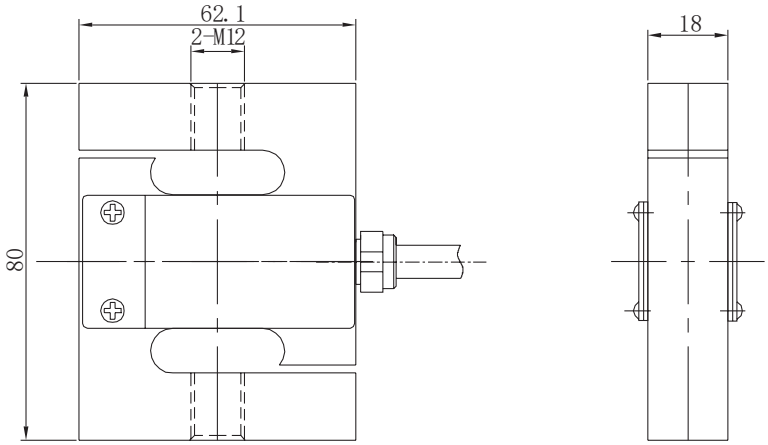
Dimension / Capacity	A	B	C	M
500kg~1.5t	50.8	28	76.2	M12*1.75
3t	76.2	32	104	M20*1.5

LP7144



Dimensions:

Unit (mm)



Rated Capacity	50/100/150/200/300/500/750/1000kg
Accuracy Class	C3
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	400±20Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	120%F.S
Destructive Load	150%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum (50~300kg) Alloy Steel (500~1000kg)
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

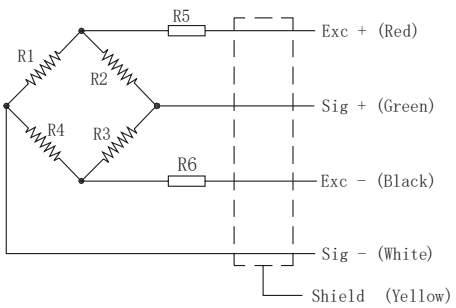
Cable length:

4 Core cable standard lengths: 3m(50kg~1t)

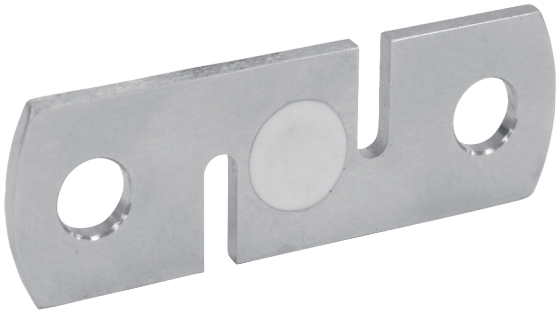
Diameter: Φ5

Option: Customized cable length

Connection mode:

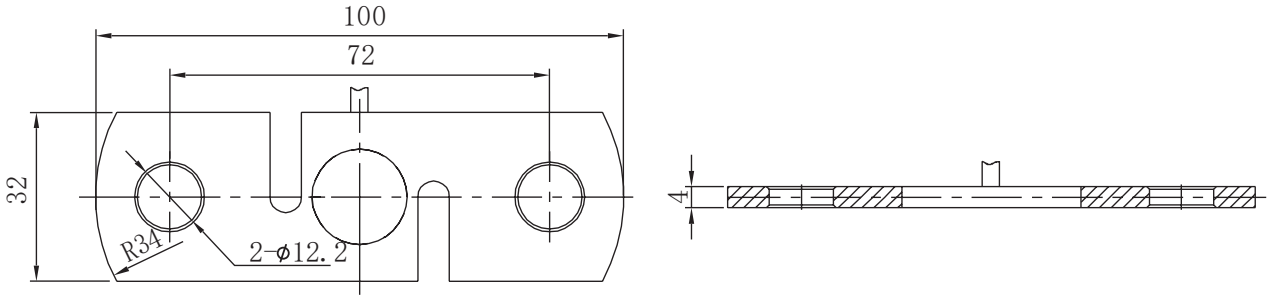


LP7145B



Dimensions:

Unit (mm)



Rated Capacity	200/300/500kg
Total error	±0.03%F.S
Rated Output	1.2±0.1mV/V
Temperature effect on Zero	±0.03%F.S/10℃
Temperature effect on Sensitity	±0.03%F.S/10℃
Creep (30min)	±0.03%F.S
Input Resistance	1000±10Ω
Output Resistance	1000±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

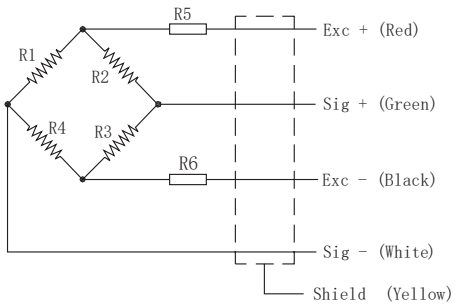
Cable length:

4 Core cable standard lengths: 2m(200~500kg)

Diameter: Φ3.8

Option: Customized cable length

Connection mode:

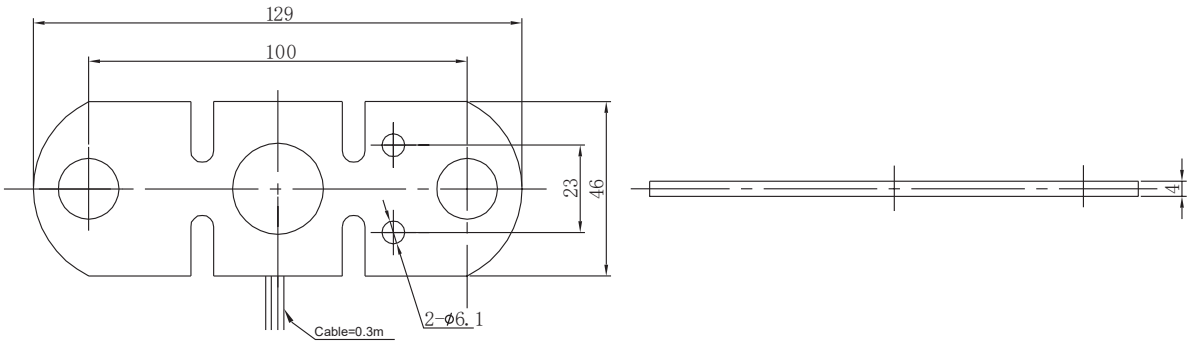


LP7145C



Dimensions:

Unit (mm)



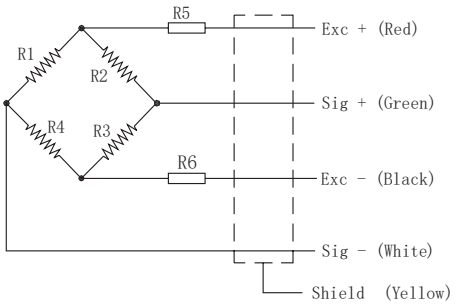
Rated Capacity	60/75/100/150/200/300/500kg
Total error	±0.03%F.S
Rated Output	1.2±0.1mV/V
Temperature effect on Zero	±0.03%F.S/10°C
Temperature effect on Sensitity	±0.03%F.S/10°C
Creep (30min)	±0.03%F.S
Input Resistance	1000±10Ω
Output Resistance	1000±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel or Aluminum
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

Cable length:

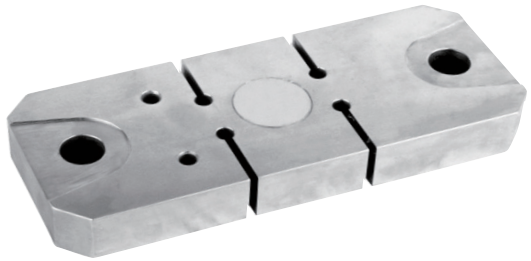
4 Core cable standard lengths: 0.3m(60~500kg)

Option: Customized cable length

Connection mode:

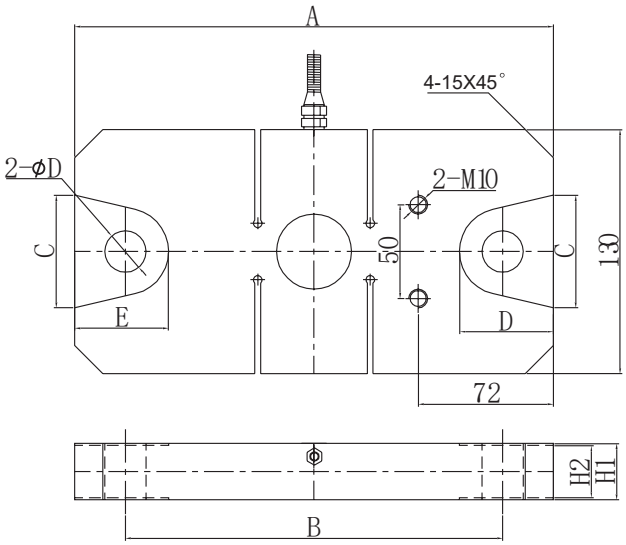


LP7147



Dimensions:

Unit (mm)



Rated Capacity	5/10t
Total error	±0.05%F.S
Rated Output	2.0±0.002mV/V
Temperature effect on Zero	±0.03%F.S/10°C
Temperature effect on Sensitity	±0.03%F.S/10°C
Creep (30min)	±0.03%F.S
Input Resistance	385±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel, IP67
Protection class	IP67
Application for	Crane, Packing scales, Tension, etc.

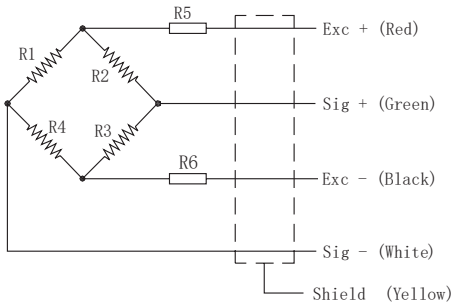
Cable length:

4 Core cable standard lengths: 12m(5~10t)

Diameter: Φ5

Option: Customized cable length

Connection mode:



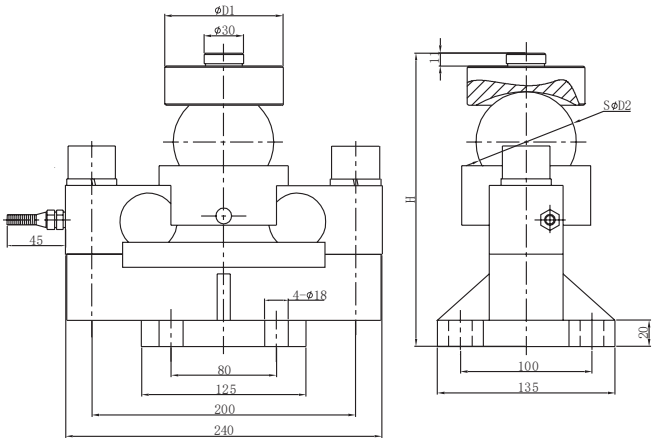
Dimension / Capacity	A	B	C	D	E	H1	H2
5t	255	201	60	22	50	30	28
10t	295	215	64	28	70	40	38

LP7150



Dimensions:

Unit (mm)



Rated Capacity	10/15/20/25/30/40t
Accuracy Class	C3
Rated Output	2.0±0.002 mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	760±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel
Protection class	IP68
Application for	Weighing bridge/Truck scales, Weighing module, etc.

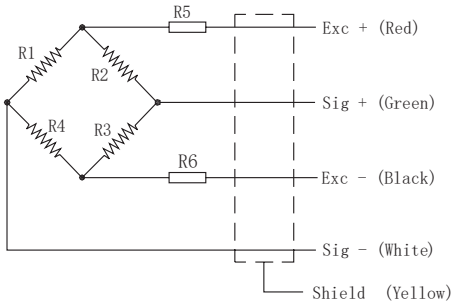
Cable length:

4 Core cable standard lengths: 16m(10~40t)

Diameter: Φ6

Option: Customized cable length

Connection mode:



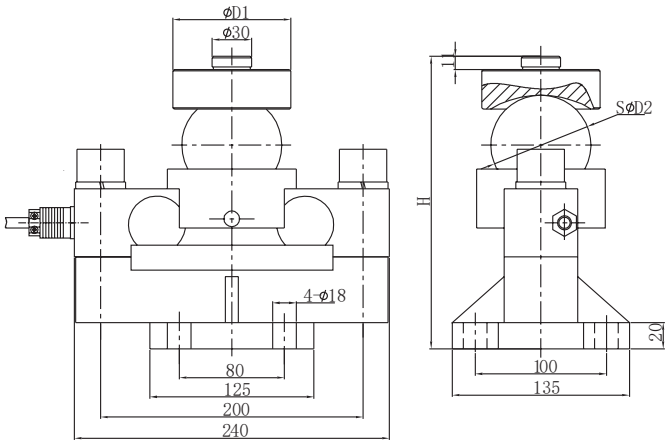
Capacity	D1	D2	H
10,15,20,25,30t	85~88	76.2	224.7
40t	88	76.2	230.7

LP7150A



Dimensions:

Unit (mm)



Rated Capacity	10/15/20/25/30/40t
Accuracy Class	C3
Rated Output	2.0±0.002 mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.02%F.S
Input Resistance	760±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel
Protection class	IP68
Application for	Weighing bridge, Truck scales, Weighing modules, etc.

Cable length:

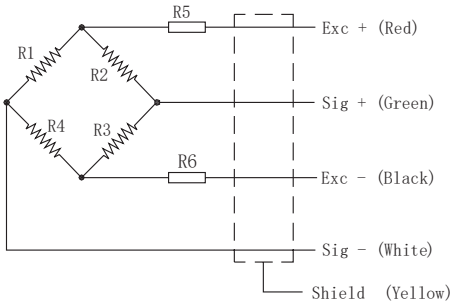
Metal shield cable with protection sleeve

4 Core cable standard lengths: 6m(10~40t)

Diameter: Φ6

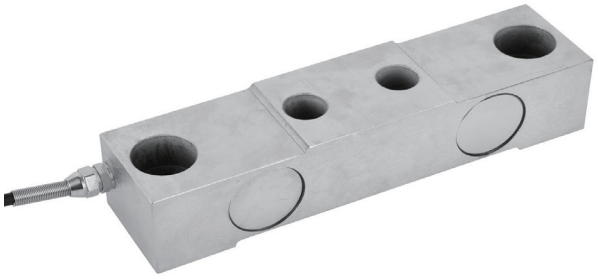
Option: Customized cable length

Connection mode:



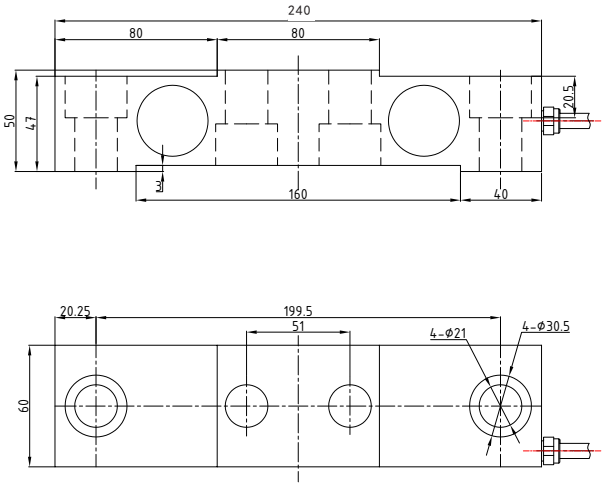
Capacity	D1	D2	H
10,15,20,25,30t	85~88	76.2	224.7
40t	88	76.2	230.7

LP7150B



Dimensions:

Unit (mm)



Rated Capacity	10/20/30/40t
Total error	±0.02%F.S
Rated Output	2.0±0.002 mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.02%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel
Protection class	IP67
Application for	Tank scales, Travelling crane scales

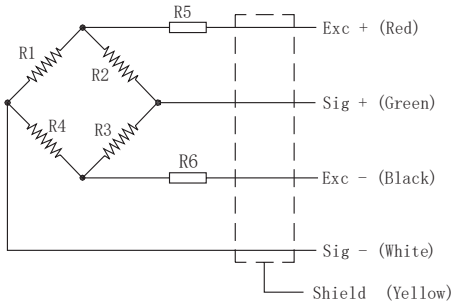
Cable length:

4 Core cable standard lengths: 16m(10~40t) , 20m(50t)

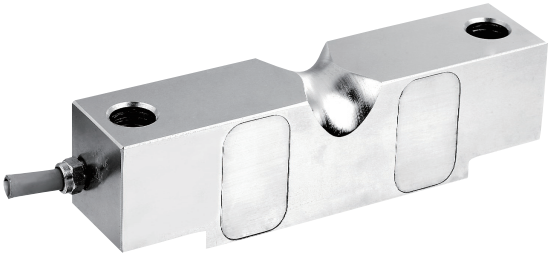
Diameter: Φ6

Option: Customized cable length

Connection mode:

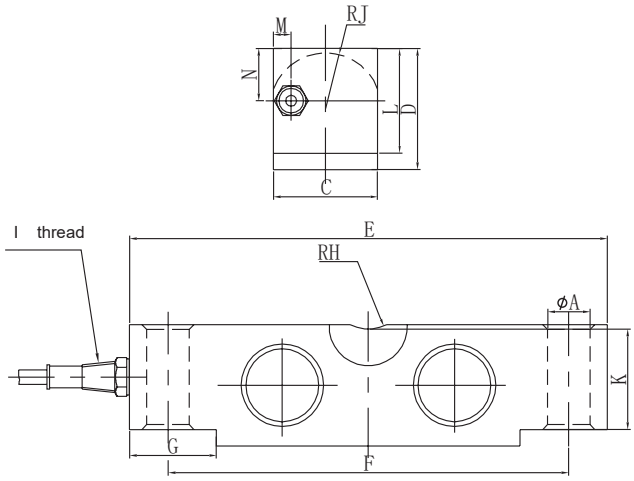


LP7151



Dimensions:

Unit (mm)



Rated Capacity	10/20/25/40/50/60/75klb
Accuracy Class	C3
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Rated Output	3.0±0.003 mV/V
Creep (30min)	±0.02%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel
Protection class	IP67
Application for	Weighing bridge, Truck scales, Weighing modules, etc.

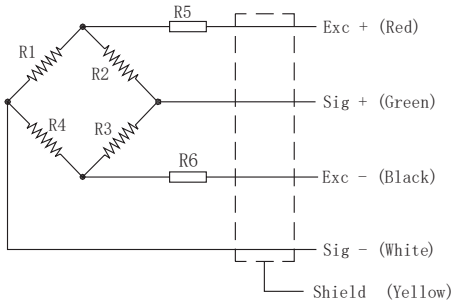
Cable length:

4 Core cable standard lengths: 16m(10~75klb)

Diameter: Φ6

Option: Customized cable length

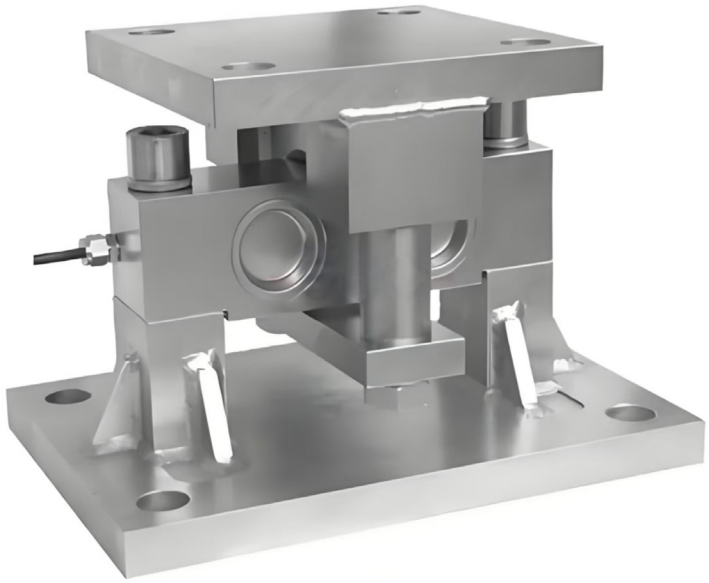
Connection mode:



Dimension / Capacity	A	C	D	E	F	G	H	L	M	N	I
10~25klb	17.3	42.9	49.3	196.9	165.1	127.0	19.1	43.2	8.9	24.6	1/4-18NPT
40~50klb(SE)	20.6	49.3	62.0	260.4	215.9	162.3	25.4	53.3	8.9	31.0	1/4-18NPT
50~75klb	26.9	62.0	74.7	260.4	215.9	162.3	25.4	67.3	11.4	37.3	1/2-14NPT
100~125klb	41.1	73.7	98.0	387.4	323.9	228.6	38.1	87.1	11.4	49.0	1/2-14NPT

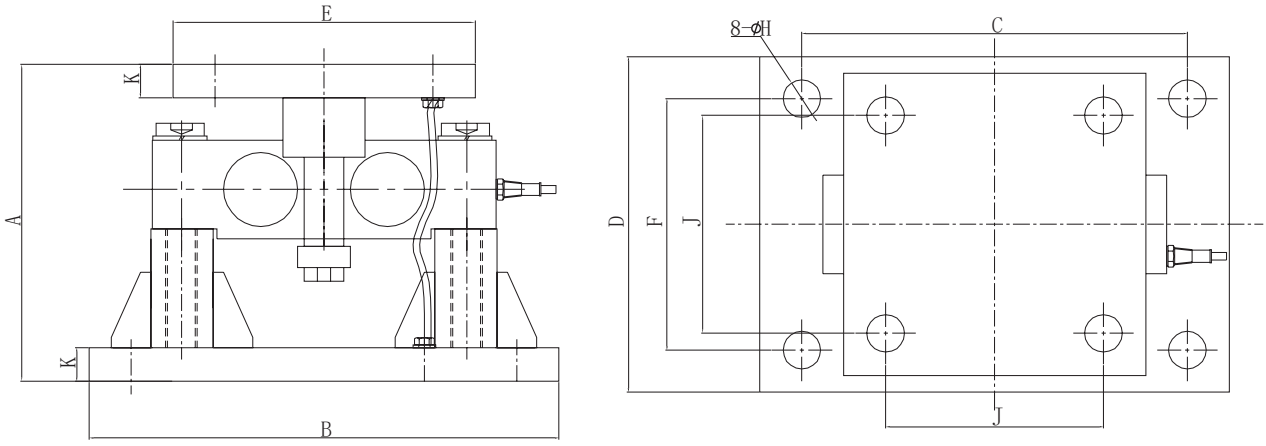
LP7251

Weighing module



Dimensions:

Unit (mm)



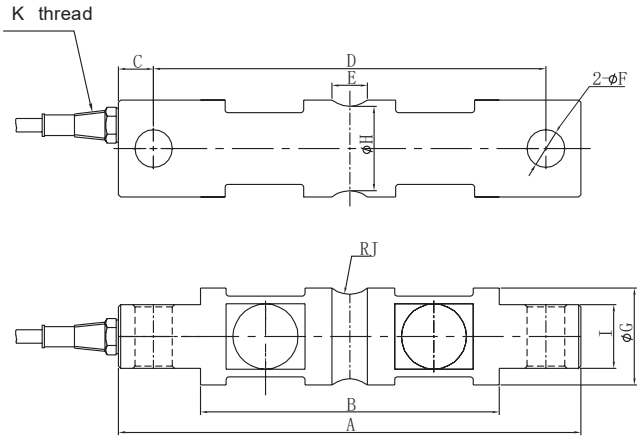
Dimension / Capacity	A	B	C	D	E	F	H	J	K
10~25klb	168	254	190.5	203	203	152	20	152	19
40klb	198	355.6	292.1	254	203	190.5	28.5	152	19
50~75klb	241.3	355.6	292.1	254	286	190.5	28.5	165	25.4

LP7152



Dimensions:

Unit (mm)



Rated Capacity	5/10/20/25/30/40/50/60/75/100klb
Accuracy Class	C3
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Rated Output	3.0±0.003 mV/V
Creep (30min)	±0.02%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel
Protection class	IP67
Application for	Weighing bridge, Truck scales, Weighing modules, etc.

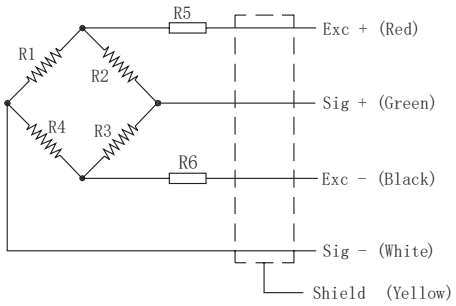
Cable length:

4 Core cable standard lengths: 16m(10~100klb)

Diameter: Φ6

Option: Customized cable length

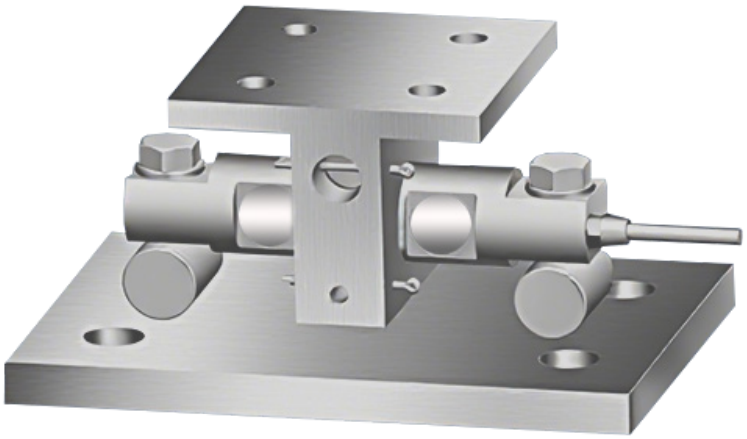
Connection mode:



Dimension / Capacity	A	B	C	D	E	F	G	H	I	J	K
5~10klb	206.2	133.1	15.7	174.8	15.7	16.8	43.2	37.6	28.4	12.7	1/4-18NPT
20~25klb	206.2	133.1	15.7	174.8	15.7	16.8	49.5	37.6	28.4	12.7	1/4-18NPT
30~75klb	260.4	164.6	22.4	215.9	25.4	26.9	76.2	69.3	60.2	25.4	1/2-14NPT
100klb	285.8	190.5	22.4	241.3	25.4	26.9	88.9	82.3	63.5	38.1	1/2-14NPT

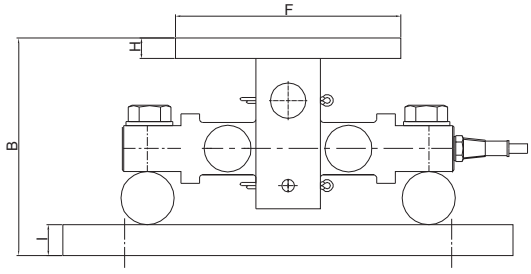
LP7252

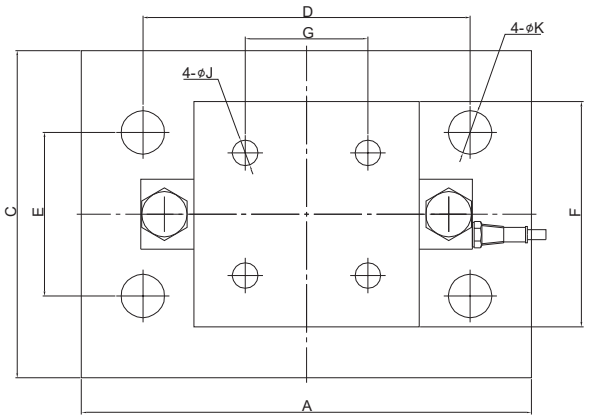
Weighing module



Dimensions:

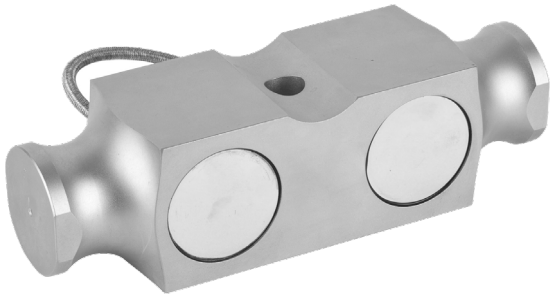
Unit (mm)





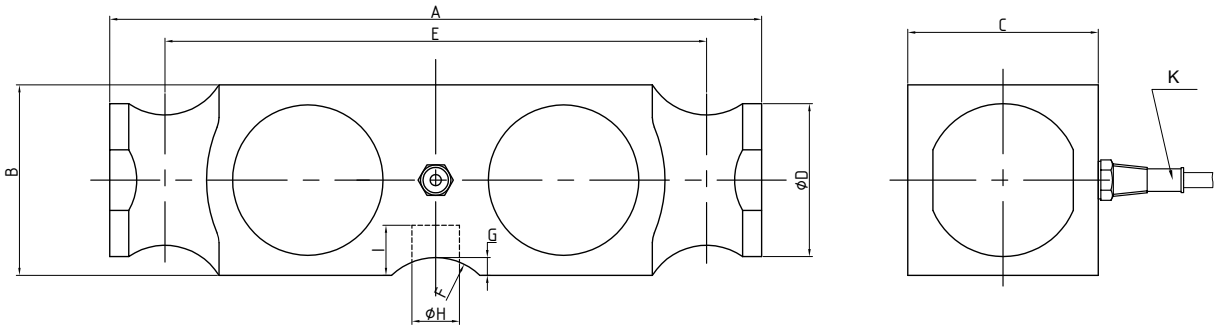
Dimension / Capacity	A	B	C	D	E	F	G	H	I	J	K
5~20klb	279.4	134.9	190.5	203.2	101.6	152.4	76.2	12.7	19.1	14.2	26.9
30~75klb	381	214.1	254	292.1	152.4	203.2	130	19.1	25.4	17.3	30.2
100klb	457.2	263.4	304.8	355.6	228.6	254	190.5	31.8	31.8	20.6	35.1

LP7153



Dimensions:

Unit (mm)



Rated Capacity	5/10/20/25/40/50/60/75/100klb
Accuracy Class	C3
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Rated Output	3.0±0.003 mV/V
Creep (30min)	±0.02%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel
Protection class	IP67
Application for	Weighing bridge, Truck scales, Weighing modules, etc.

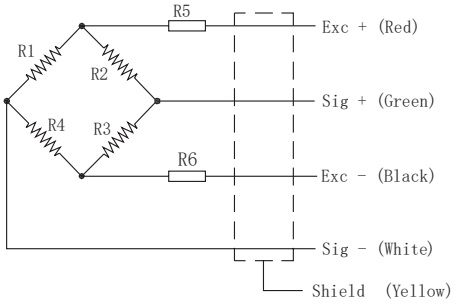
Cable length:

4 Core cable standard lengths: 16m(10~75klb)

Diameter: Φ6

Option: Customized cable length

Connection mode:



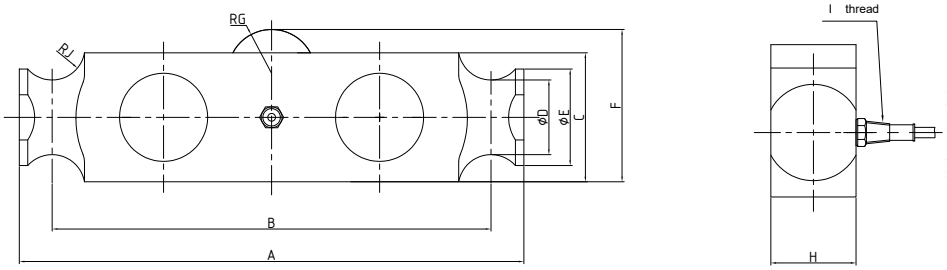
Dimension / Capacity	A	B	C	D	E	F	G	H	I	K
20~40klb	209.6	62.0	50.8	49.3	184.2	12.7	7.1	19.1	19.8	1/2-14NPT
50~125klb	260.4	76.2	61.0	76.2	215.9	25.4	7.1	19.1	19.8	1/2-14NPT

LP7154



Dimensions:

Unit (mm)



Rated Capacity	25/40/50/60/75/100/125klb
Accuracy Class	C3
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Rated Output	3.0±0.003mV/V
Creep (30min)	±0.02%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel
Protection class	IP67
Application for	Weighing bridge, Truck scales, Weighing modules, etc.

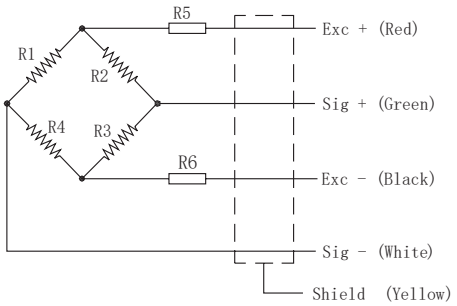
Cable length:

4 Core cable standard lengths: 16m(10~75klb)

Diameter: Φ6

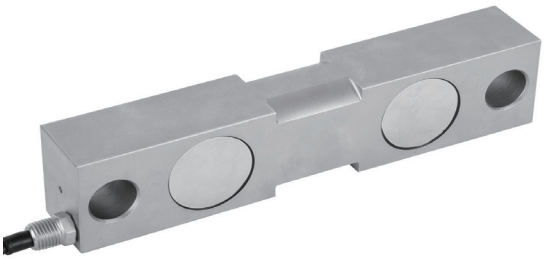
Option: Customized cable length

Connection mode:



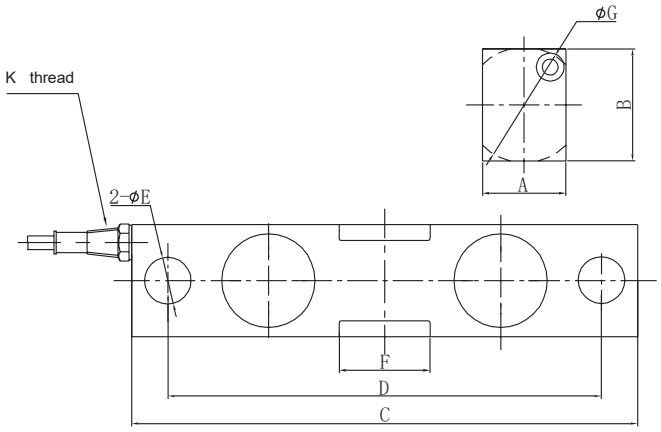
Dimension / Capacity	A	B	C	D	E	F	G	H	J	K	I
25~50klb(SE)	209.6	184.2	158.8	41.4	50.8	13.5	75.4	49.3	12.7	12.7	1/4-18NPT
50~75klb	292.1	254	215.9	43.2	55.9	13.5	88.1	69.3	19.1	25.4	1/2-14NPT
100~125klb	368.3	342.9	317.5	62	81.3	20.8	118.9	82.3	25.4	38.1	1/2-14NPT

LP7155



Dimensions:

Unit (mm)



Rated Capacity	1/2/2.5/3/5/10/25/35/50/75/100/125klb
Accuracy Class	C3
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Rated Output	3.0±0.003mV/V
Creep (30min)	±0.02%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel
Protection class	IP67
Application for	Weighing bridge, Truck scales, Weighing modules, etc.

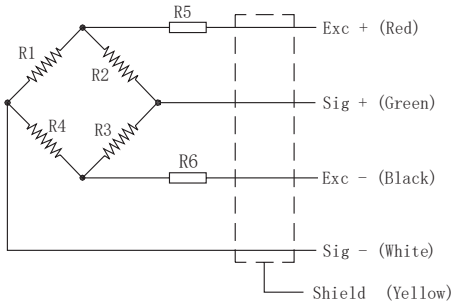
Cable length:

4 Core cable standard lengths: 16m(10~75klb)

Diameter: Φ6

Option: Customized cable length

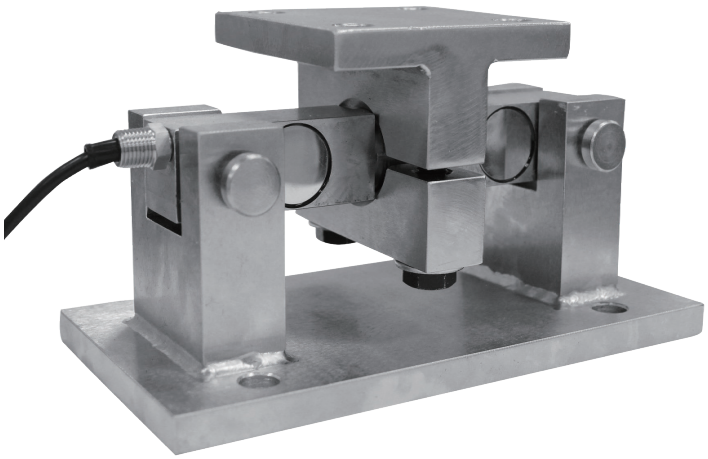
Connection mode:



Dimension / Capacity	A	B	C	D	E	F	G	K	I
1~5klb	31.8	31.8	190.5	158.8	12.7	29.2	31.8	/	1/4-18NPT
10~25klb	36.6	49.3	222.3	190.5	20.6	50.8	50.8	/	1/4-18NPT
35klb	38.1	63.5	222.3	190.5	20.6	50.8	63.5	/	1/2-14NPT
50klb	62.0	74.7	342.9	292.1	33.3	82.6	76.2	/	1/2-14NPT
75klb	62.0	74.7	342.9	292.1	33.3	82.6	/	4.3	1/2-14NPT
100~125klb	74.7	100.1	469.9	381.0	41.4	82.6	/	6.4	1/2-14NPT

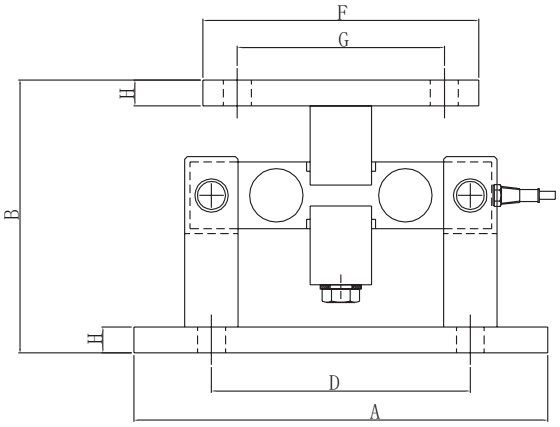
LP7255

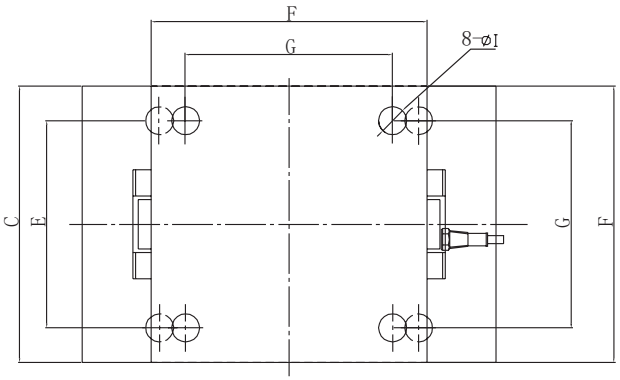
Weighing module



Dimensions:

Unit (mm)





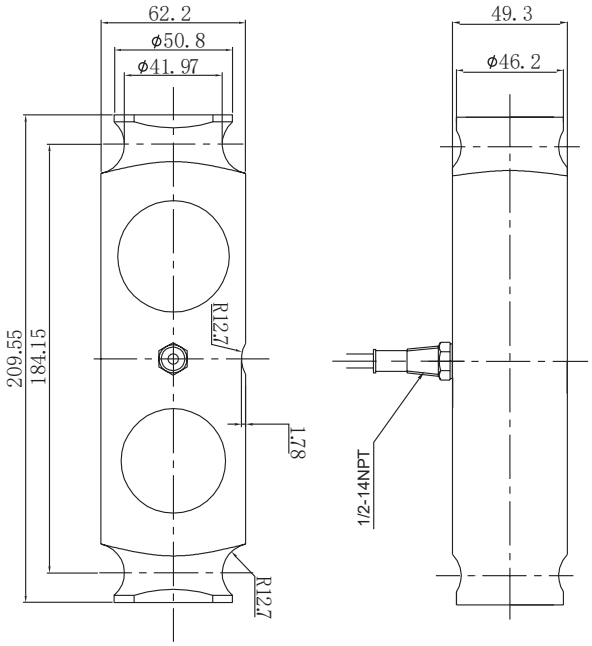
Dimension / Capacity	A	B	C	D	E	F	G	H	I
1~5klb	235	127	127	158.8	95.3	101.6	69.9	12.7	14.2
10~35klb	304.8	200.7	203.2	190.5	152.4	203.2	152.4	19.1	20.6
50~75klb	412.8	236.2	304.8	292.1	241.3	228.6	165.1	25.4	20.6
100~125klb	596.9	298.5	355.6	508	304.8	254	203.2	28.4	28.4

LP7156



Dimensions:

Unit (mm)



Rated Capacity	50/60klb
Accuracy Class	C3
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Rated Output	3.0±0.003mV/V
Creep (30min)	±0.02%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel
Protection class	IP67
Application for	Weighing bridge, Truck scales, Weighing modules, etc.

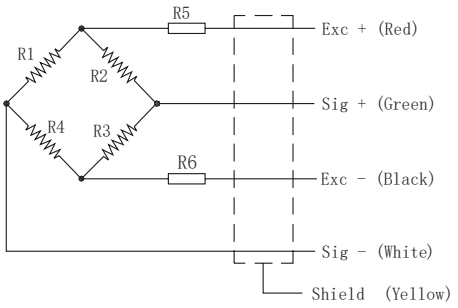
Cable length:

4 Core cable standard lengths: 16m(10~75klb)

Diameter: Φ6

Option: Customized cable length

Connection mode:

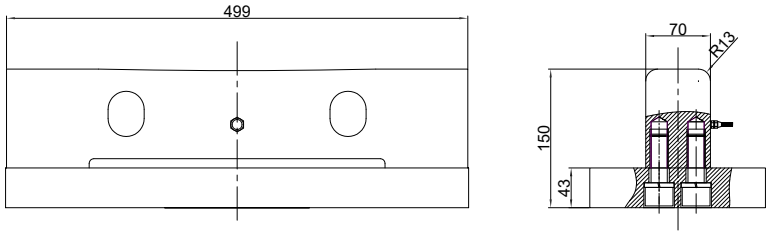


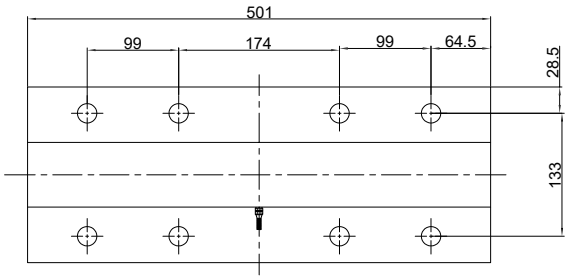
LP7159E



Dimensions:

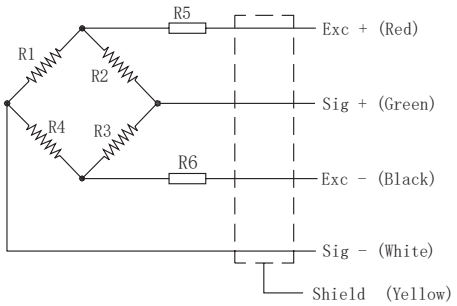
Unit (mm)



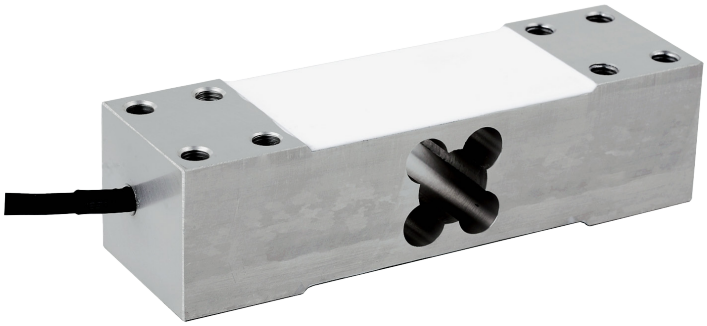


Rated Capacity	10/20/30/40t
Rated Output	1.0±0.005mv/v
Non-linearity	±0.1% F.S
Creep(30min)	±0.05% F.S
Input Impedance	700±10Ω
Output Impedance	700±2Ω
Operation Temperature	-10~+40℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe overload	150%F.S
Destructive Load	300%F.S
Excitation Recommended	4~12VDC, Max:15VDC
Construction	Alloy steel or stainless steel, IP67
Application for	Static steel embody scales, Railway scales, Overhead crane scales

Connection mode:

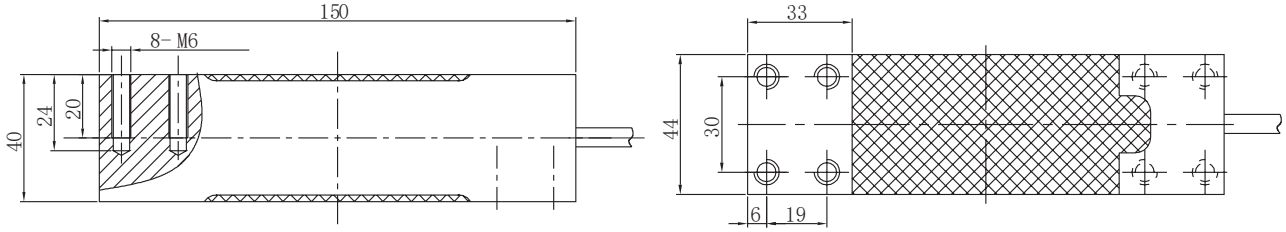


LP7160



Dimensions:

Unit (mm)



Rated Capacity	50/100/150/200/250/300/500kg
Total error	±0.02%F.S
Rated Output	2.0±0.2 mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.016%F.S
Input Resistance	406±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Waterproof bench/Counting scales, Checkweigher, etc.

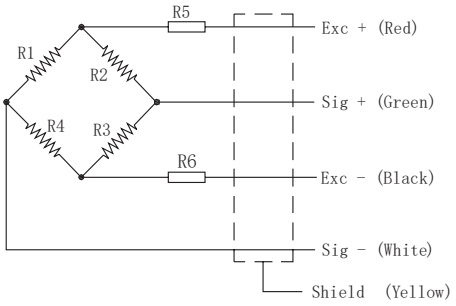
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

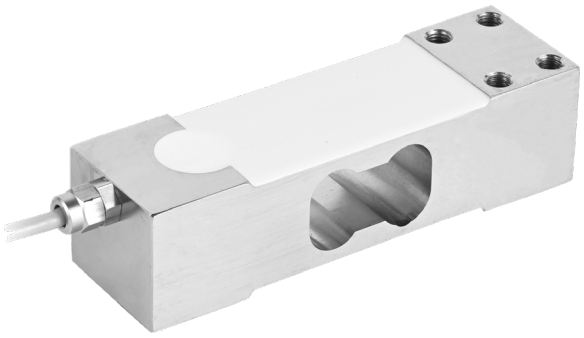
Diameter: Φ5

Option: Customized cable length

Connection mode:

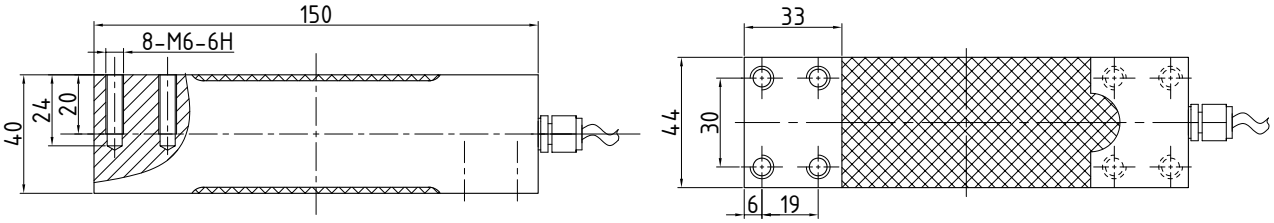


LP7160A



Dimensions:

Unit (mm)



Rated Capacity	50/100/150/200/250/300/500kg
Total error	±0.02%F.S
Rated Output	2.0±0.2 mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.016%F.S
Input Resistance	385±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Waterproof bench/Counting scales, Checkweigher, etc.

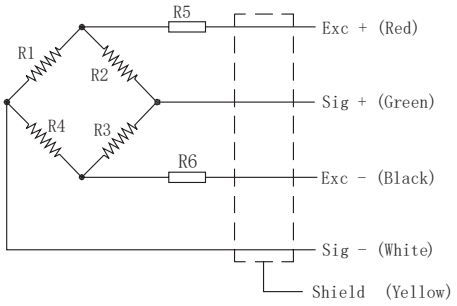
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

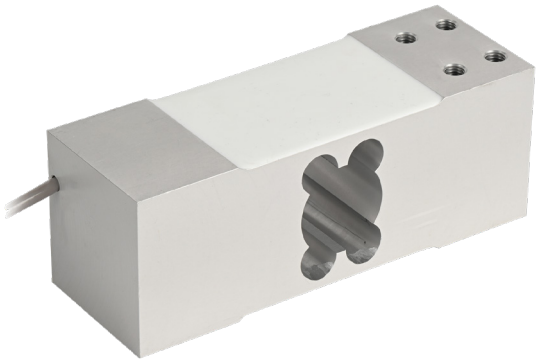
Diameter: Φ5

Option: Customized cable length

Connection mode:

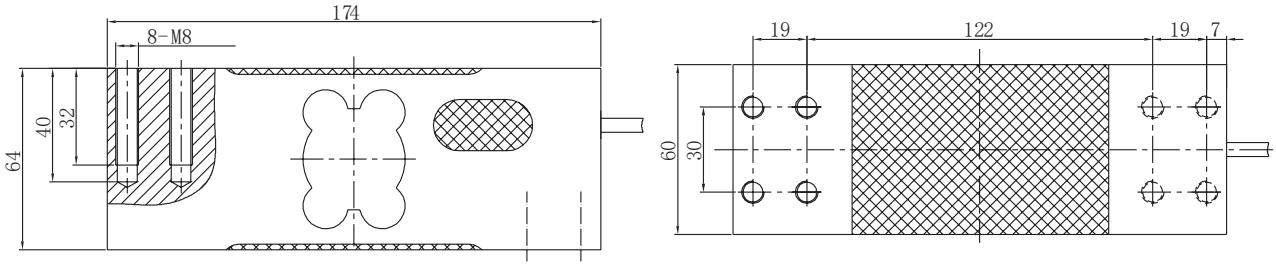


LP7161



Dimensions:

Unit (mm)



Rated Capacity	50/100/150/200/250/300/500/600/750kg
Total error	±0.02%F.S
Rated Output	2.0±0.2 mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.016%F.S
Input Resistance	406±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Waterproof bench/Counting scales, Checkweigher, etc.

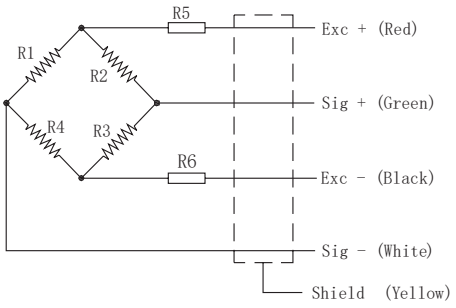
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

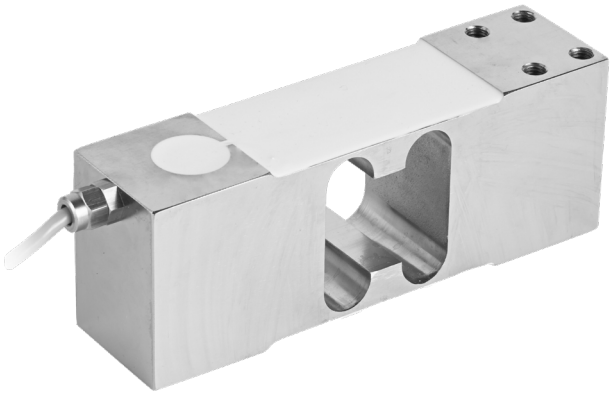
Diameter: Φ5

Option: Customized cable length

Connection mode:

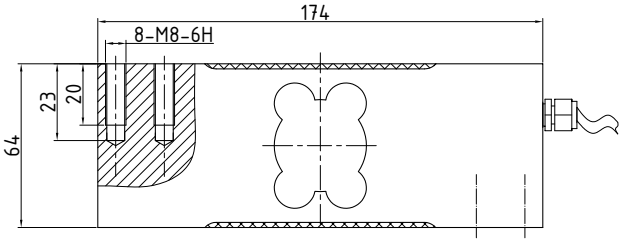


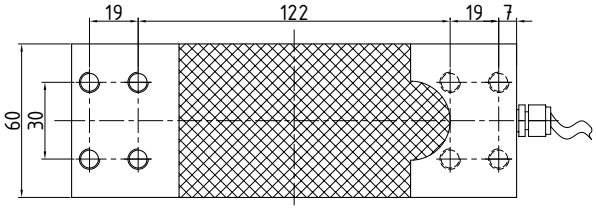
LP7161A



Dimensions:

Unit (mm)





Rated Capacity	100/150/200/250 /300/500/800kg
Total error	±0.02%F.S
Rated Output	2.0±0.2mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.016%F.S
Input Resistance	385±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Waterproof bench/Counting scales, Checkweigher, etc.

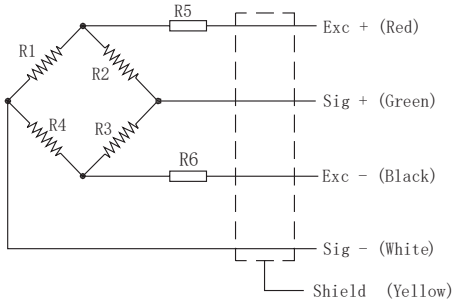
Cable length:

4 Core cable standard lengths: 2m(100~800kg)

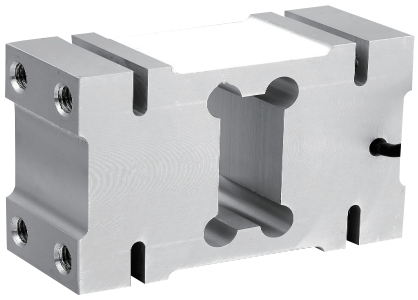
Diameter: Φ5

Option: Customized cable length

Connection mode:

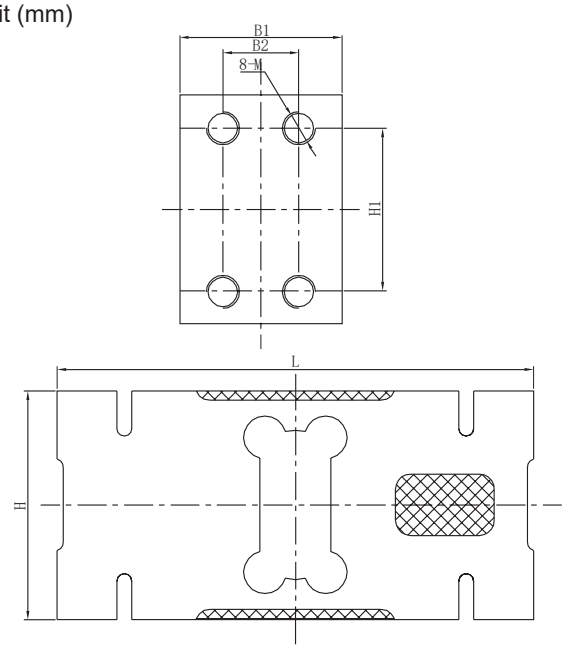


LP7162



Dimensions:

Unit (mm)



Rated Capacity	50/100/150/200/250/300/500/600/750/1000/1500/2000kg
Total error	±0.02%F.S
Rated Output	2.0±0.2mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.016%F.S
Input Resistance	406±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Bench/Counting scales, Checkweigher, etc.

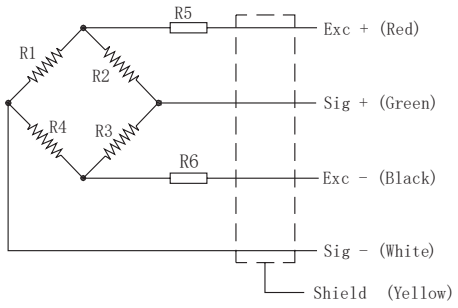
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

Diameter: Φ5

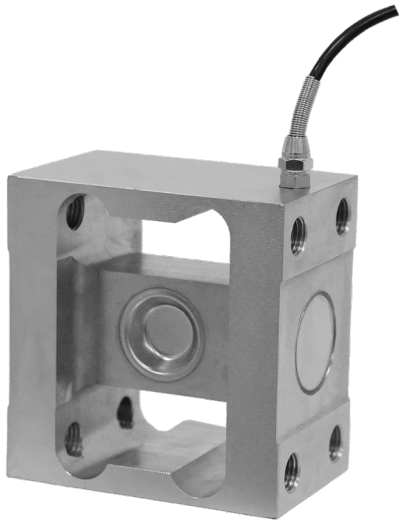
Option: Customized cable length

Connection mode:



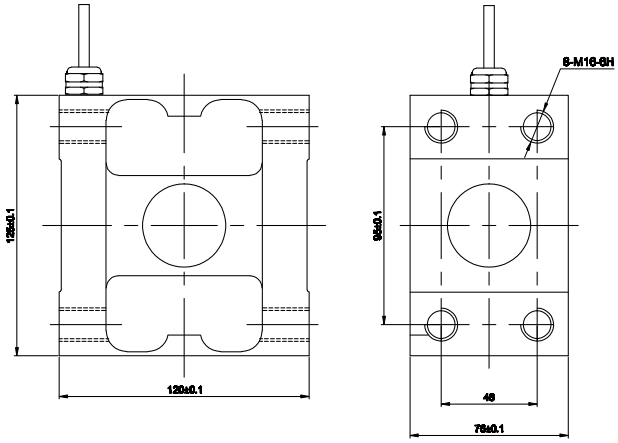
Capacity \ Dimension	H	H1	L	B1	B2	M
50~200kg	75	50	156	44	24	M12*1.75
250~500kg	95	70	146	60	36	M12*1.75
750~2000kg	125	95	176	76	46	M16*2

LP7162E



Dimensions:

Unit (mm)



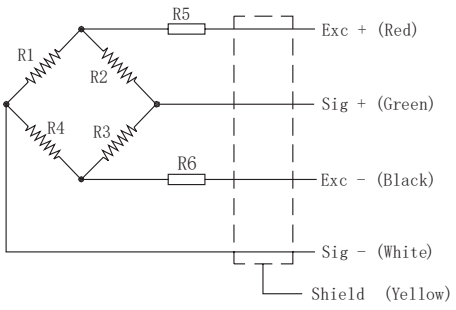
Rated Capacity	1000/2000/3000/4000kg
Total error	±0.03% F.S
Rated Output	2.0±0.2mV/V
Creep (30min)	±0.03% F.S
Input Resistance	385±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-10~+40℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel or Stainless steel
Protection class	IP67
Application for	Platform scale, compression testing situation

Cable length:

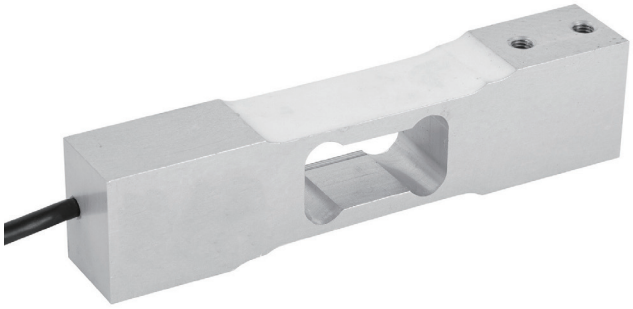
4 Core cable standard lengths: 0.5m

Option: Customized cable length

Connection mode:

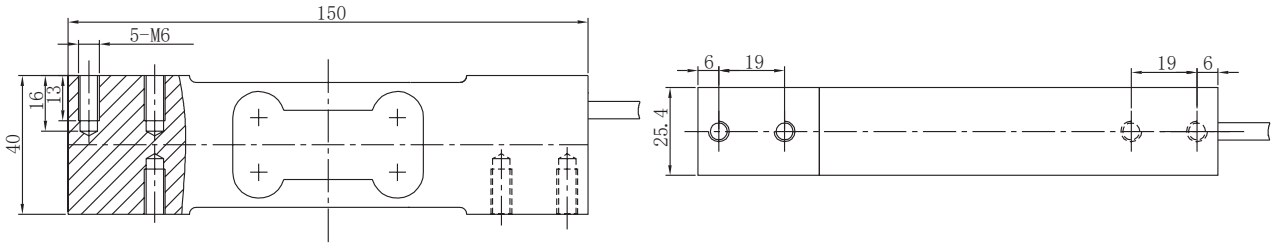


LP7163



Dimensions:

Unit (mm)



Rated Capacity	10/15/20/30/50/75/100/125/150/200kg
Total error	±0.02%F.S
Rated Output	2.0±0.2mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.016%F.S
Input Resistance	406±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Waterproof bench/Counting scales, Checkweigher, etc.

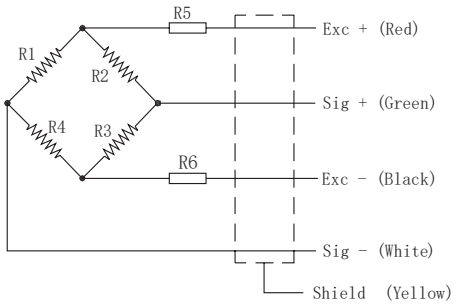
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

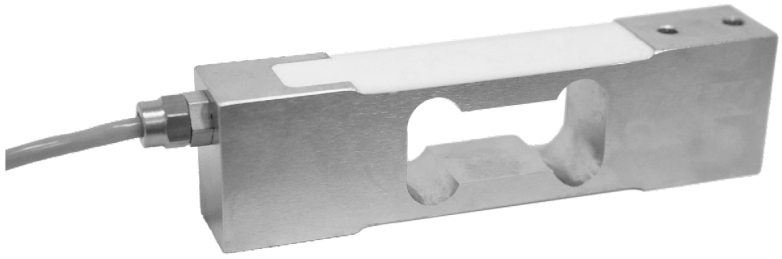
Diameter: Φ5

Option: Customized cable length

Connection mode:

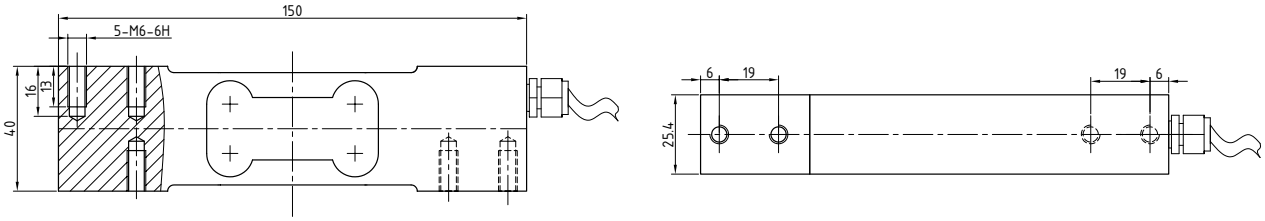


LP7163A



Dimensions:

Unit (mm)



Rated Capacity	10/15/20/30/50/75/100/150/200kg
Accuracy Class	C3
Rated Output	2.0±0.2mV/V
Creep (30min)	±0.016%F.S
Input Resistance	385±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	120%F.S
Destructive Load	150%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Stainless steel scales, Waterproof scales

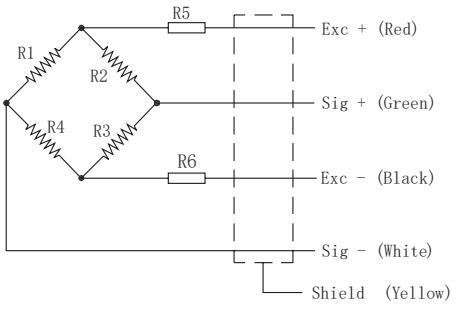
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

Diameter: Φ5

Option: Customized cable length

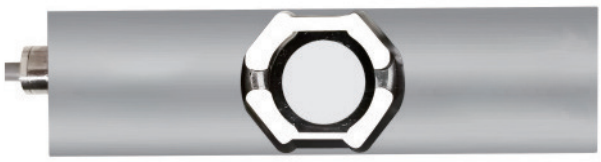
Connection mode:

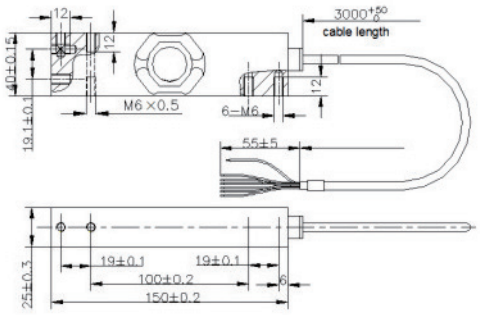


LP7163L

Dimensions:

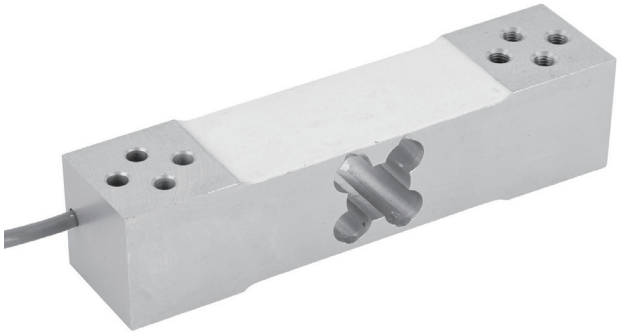
Unit (mm)





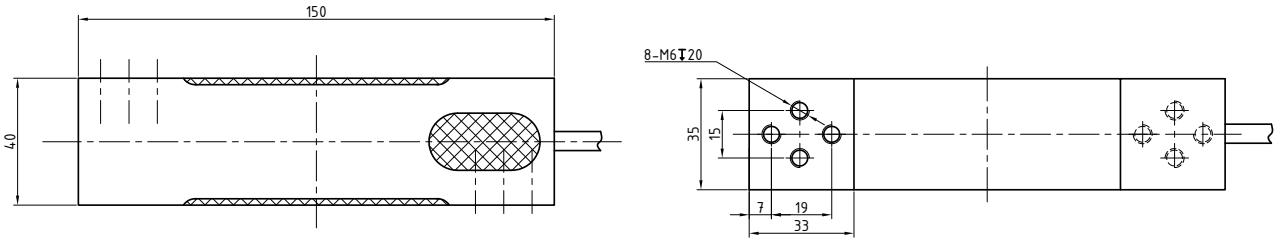
Accuracy class Max.number of load cell intervals		C3 3000				
Emax,(Max. capacity)		kg	10	20	50	100
Vmin	OIML	g	1	2	5	10
	NTEP		2	4	10	20
TC Zero		% of Cn/10K	±0.0140	±0.0140	±0.0140	±0.0140
Sensitivity		mV/V	2.0±0.2			
Zero balance		mV/V	0±0.10			
TC Span	+20°C~+40°C:	% of Cn/10K	±0.02			
	-10°C~+20°C:		±0.02			
Non-linearity		% of Cn	±0.02			
Hysteresis error		% of Cn	±0.02			
Creep,DR		%/30min	±0.02			
Max. platform size		mm	500x400			
Off center load error		%	+0.0233			
Input resistance		Ω	390±15			
Output resistance		Ω	350+10			
Uref		V	5			
Bu		V	1-12			
Insulation resistance		GΩ/100V	>1			
Nominal temperature range		°C	-10~+40			
Service temperature range		°C	-10~+50			
Storage temperature range		°C	-25~+70			
Safe load limit		% of Emax	150			
Breaking load limit		% of Emax	300			
Deflection at Max. capacity, approx.		mm	<0.5			
Weight approx.		kg	1			
Material		Stainless steel				
IP		IP68(test conditions 100h at 1m water column); IP69K(water at high pressure, steam jet cleaning)				

LP7164



Dimensions:

Unit (mm)



Rated Capacity	50/60/75/100/150/200/300kg
Accuracy Class	C3
Rated Output	2.0±0.2mV/V
Creep (30min)	±0.016%F.S
Input Resistance	385±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	120%F.S
Destructive Load	150%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Stainless steel scales, Waterproof scales

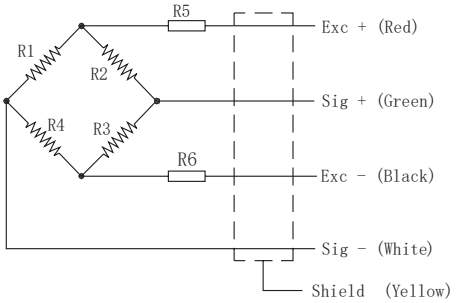
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

Diameter: Φ5

Option: Customized cable length

Connection mode:

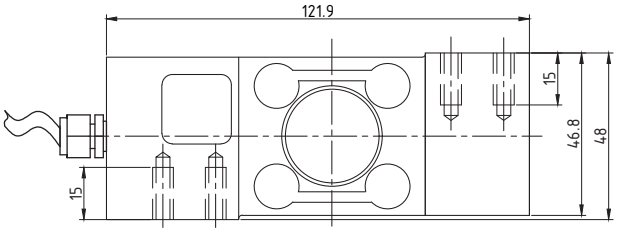


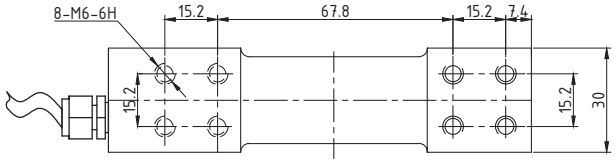
LP7164G



Dimensions:

Unit (mm)





Rated Capacity	50/100/200/300 kg
Accuracy Class	C3
Rated Output	2.0±0.2mV/V
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Bench/Counting scales, check weighing, Warehouse Pallet Scale, Sorting scales etc.

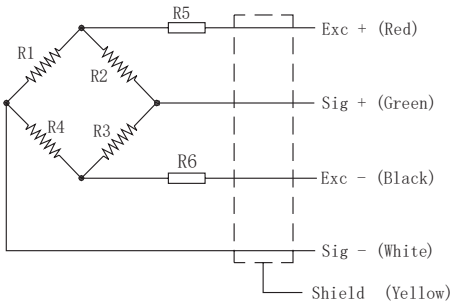
Cable length:

4 Core cable standard lengths: 2m(50~300kg)

Diameter: Φ5

Option: Customized cable length

Connection mode:

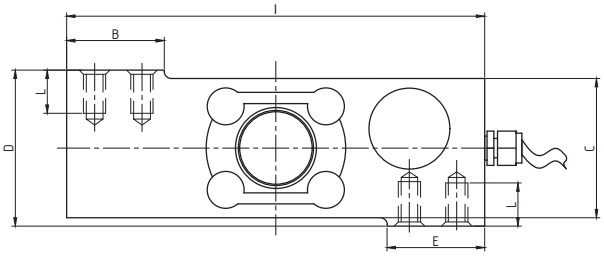


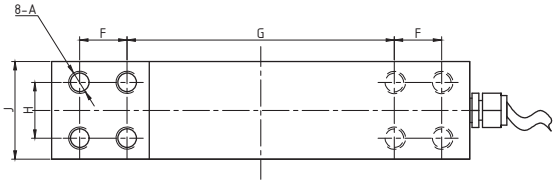
LP7164Q



Dimensions:

Unit (mm)





Rated Capacity	50/100/200/250/350/400/500 kg
Accuracy Class	C3
Rated Output	2.0±0.2mV/V
Creep (30min)	±0.02%F.S
Input Resistance	385±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70℃
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel
Protection class	IP68
Application for	Bench/Counting scales, check weighing, Warehouse Pallet Scale, Sorting scales etc.

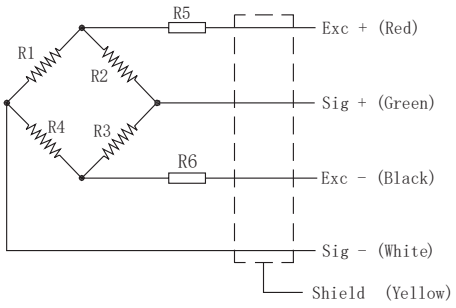
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

Diameter: Φ5

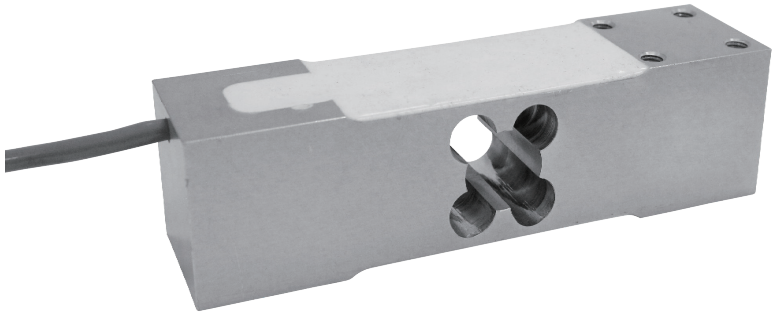
Option: Customized cable length

Connection mode:



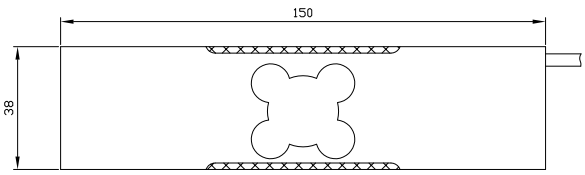
Dimension / Capacity	A	B	C	D	E	F	G	H	I	J	L
50/100/200/250/350kg	M8X1.25	35	50	56	35	17	96	20	150	35	14
400/500kg	M10X1.5	50	60	66	50	30	100	40	180	60	20

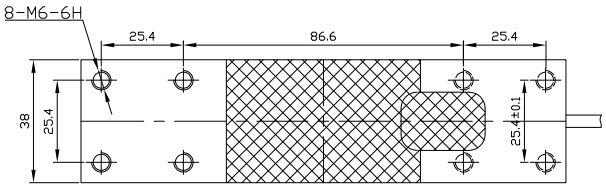
LP7165



Dimensions:

Unit (mm)





Rated Capacity	50/100/150/200/250/300/500kg
Total error	±0.02%F.S
Rated Output	2.0±0.002 mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.016%F.S
Input Resistance	406±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Waterproof bench/Counting scales, Checkweigher, etc.

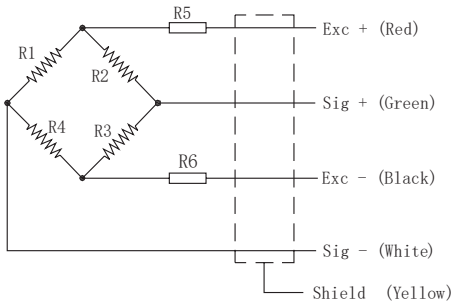
Cable length:

4 Core cable standard lengths: 3m(50~500kg)

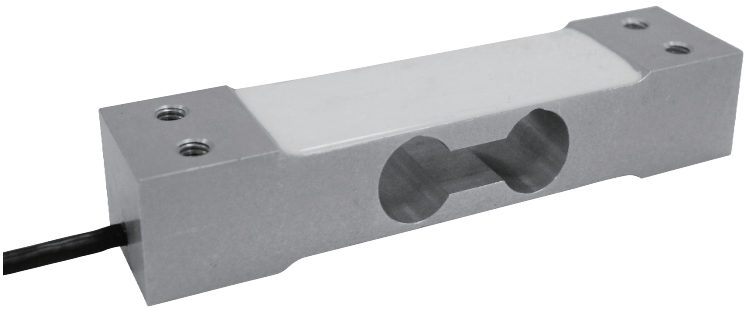
Diameter: Φ5

Option: Customized cable length

Connection mode:

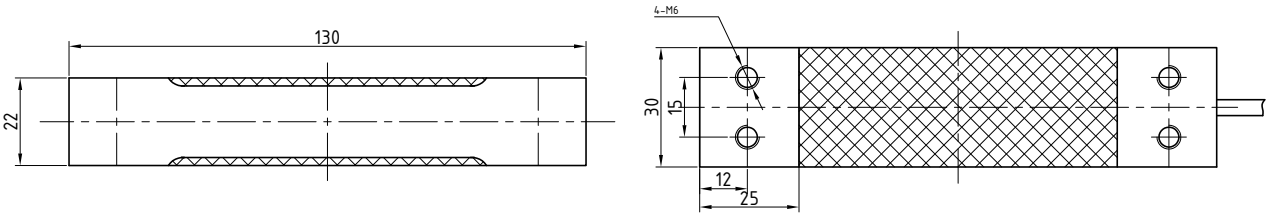


LP7166



Dimensions:

Unit (mm)



Rated Capacity	2.5/3/5/6/8/10/15/20/30/35/40/50kg
Accuracy Class	C3
Rated Output	2.0±0.2 mV/V
Creep (30min)	±0.016%F.S
Input Resistance	406±10Ω
Output Resistance	350±3Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	120%F.S
Destructive Load	150%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP65
Application for	Bench/Counting scales, Checkweigher, etc.

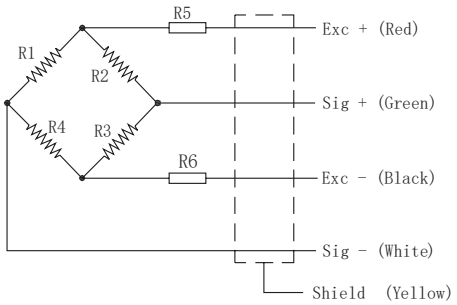
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

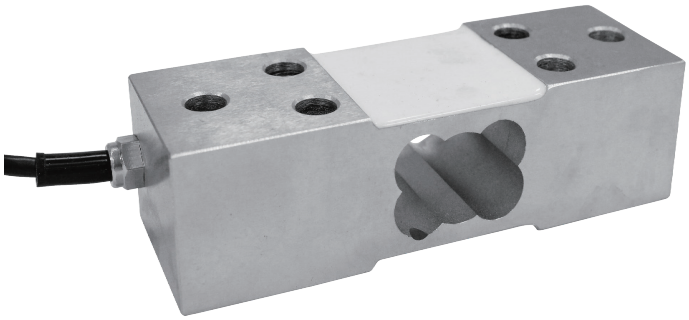
Diameter: Φ5

Option: Customized cable length

Connection mode:

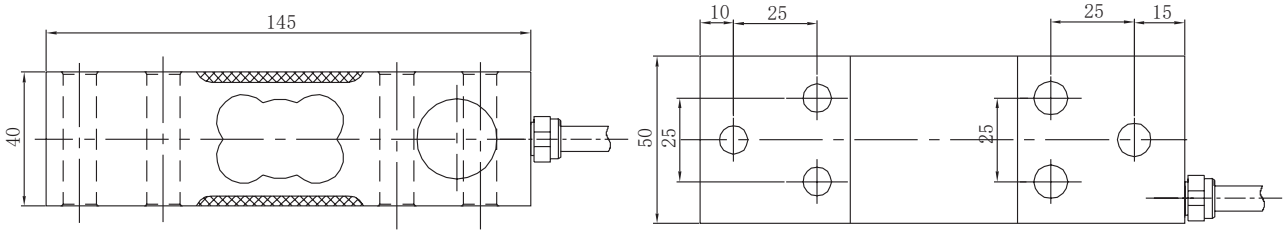


LP7166A



Dimensions:

Unit (mm)



Rated Capacity	50/100/200/300/500kg
Total error	±0.02%F.S
Rated Output	2.0±0.002 mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.016%F.S
Input Resistance	380±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Waterproof bench/Counting scales, Checkweigher, etc.

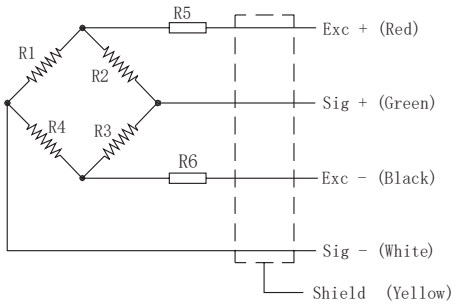
Cable length:

4 Core cable standard lengths: 5m(50~500kg)

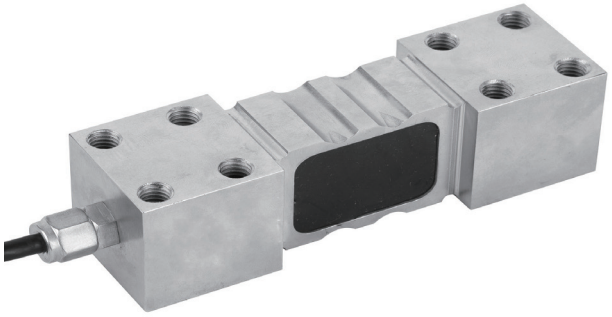
Diameter: Φ5

Option: Customized cable length

Connection mode:

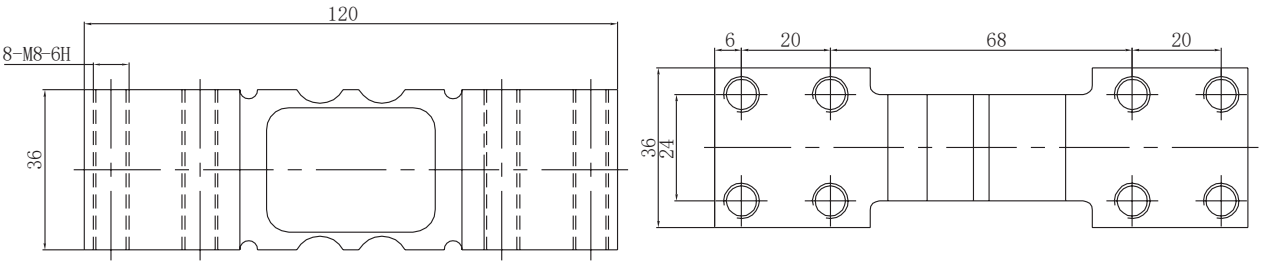


LP7166D



Dimensions:

Unit (mm)



Rated Capacity	30/60/100/150/200/300kg
Total error	±0.02%F.S
Rated Output	2.0±0.2mV/V
Temperature effect on Zero	±0.02%F.S/10℃
Temperature effect on Sensitity	±0.02%F.S/10℃
Creep (30min)	±0.016%F.S
Input Resistance	380±10Ω
Output Resistance	351±2Ω
Operating Temperature Range	-30~+70℃
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Floor scales, Compression testing situation

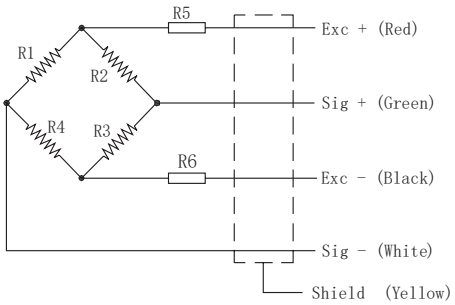
Cable length:

4 Core cable standard lengths: 3m(30~300kg)

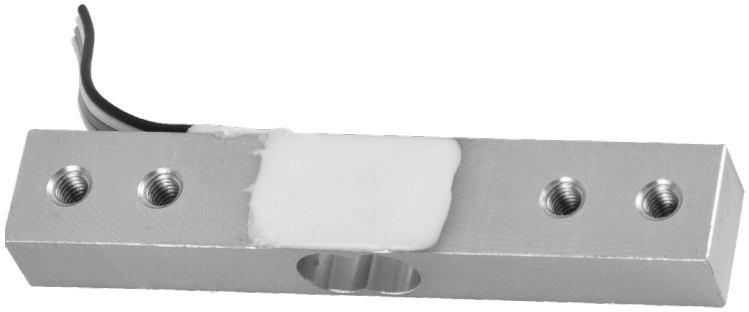
Diameter: Φ5

Option: Customized cable length

Connection mode:

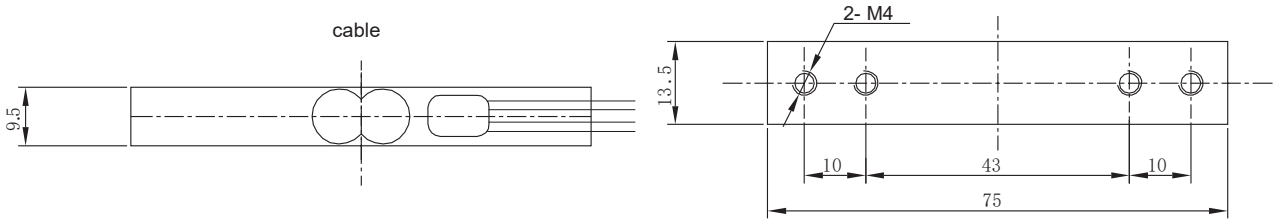


LP7166F



Dimensions:

Unit (mm)



Rated Capacity	5/10/20/30/50kg
Total error	±0.05%F.S
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Rated Output	1.0±0.1mV/V
Creep (30min)	±0.05%F.S
Input Resistance	1000±50Ω
Output Resistance	1000±50Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ (at 50VDC)
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Waterproof bench/Counting scales, Checkweigher, etc.

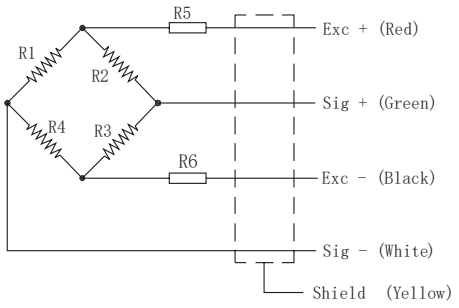
Cable length:

4 Core cable standard lengths: 0.2m(5~50kg)

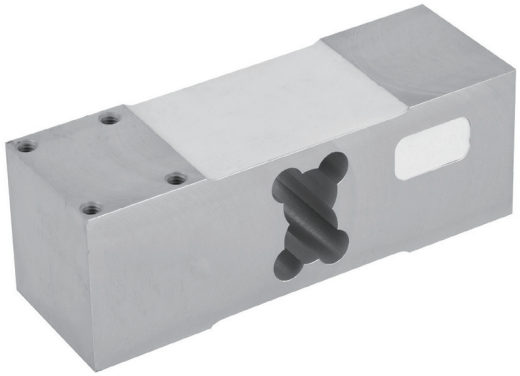
Diameter: Φ5

Option: Customized cable length

Connection mode:

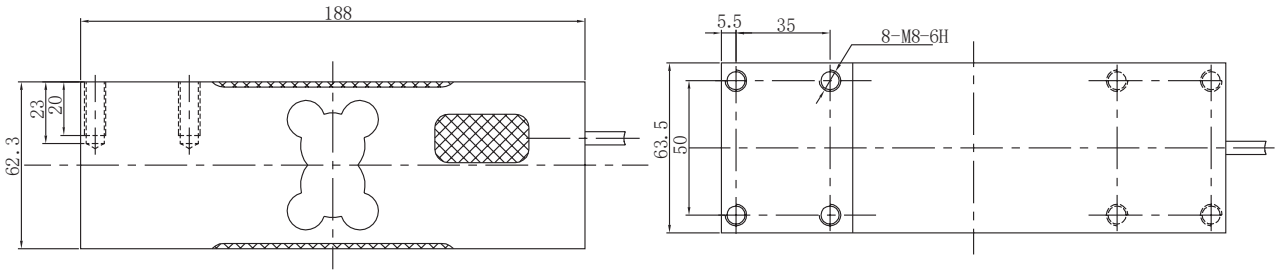


LP7167



Dimensions:

Unit (mm)



Rated Capacity	50/75/100/150/200/250/300/500/750kg
Total error	±0.02%F.S
Rated Output	2.0±0.2mV/V
Temperature effect on Zero	±0.02%F.S/10°C
Temperature effect on Sensitity	±0.02%F.S/10°C
Creep (30min)	±0.016%F.S
Input Resistance	406±10Ω
Output Resistance	350±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Aluminum,alloy steel or stainless steel
Protection class	IP67
Application for	Waterproof bench/Counting scales, Checkweigher, etc.

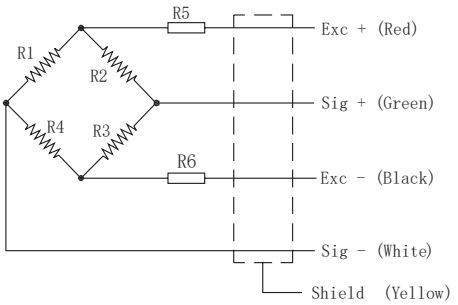
Cable length:

4 Core cable standard lengths: 2m(50~500kg)

Diameter: Φ5

Option: Customized cable length

Connection mode:

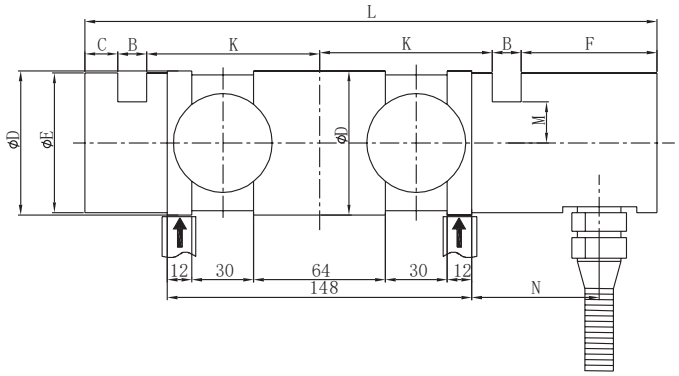


LP7184



Dimensions:

Unit (mm)



Rated Capacity	2/3/5/10/20/30/50t
Total error	±0.5%F.S
Rated Output	1.5±0.5mV/V
Temperature effect on Zero	±0.05%F.S/10°C
Temperature effect on Sensitity	±0.05%F.S/10°C
Creep (30min)	±0.05%F.S
Input Resistance	700±10Ω
Output Resistance	702±2Ω
Operating Temperature Range	-30~+70°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	300%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel/Stainless steel
Protection class	IP67
Application for	Every kinds of safe limiter

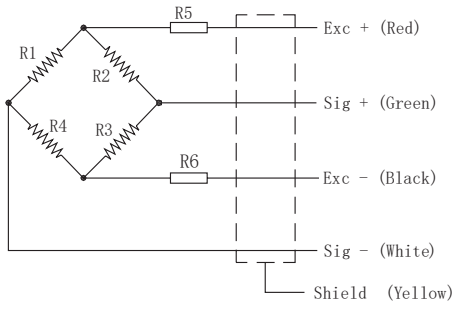
Cable length:

4 Core cable standard lengths: 6m(2~50t)

Diameter: Φ6

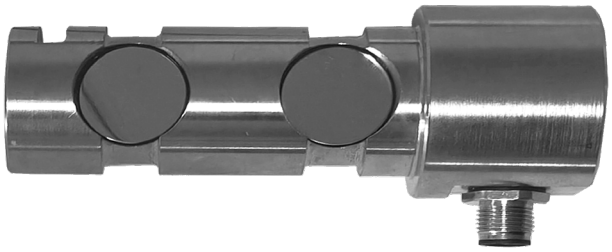
Option: Customized cable length

Connection mode:



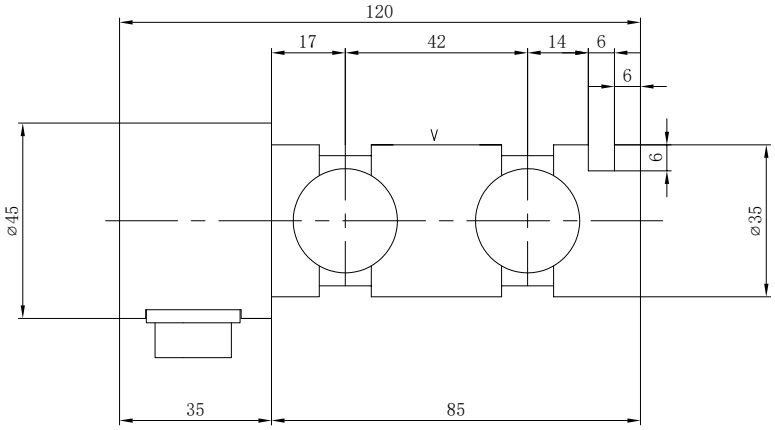
Dimension / Capacity	A	B	C	D	E	F	G	H	J	K	L	M	N
2t	6	7	8	35	34	33	74	32	15	42	139	10	25
3~5t	8	7	8	40	39	38	85	35	17	50	160	12	25
10t	10	9	8	50	48	51	110	46	22	64	205	15	40
20t	14	14	11	70	68	46	152	64	30	85	255	23	40
30t	17	14	12	85	83	46	186	78	37	102	290	28	40
50t	21	18	16	105	103	48	230	96	46	129	356	36	61

LP7184A



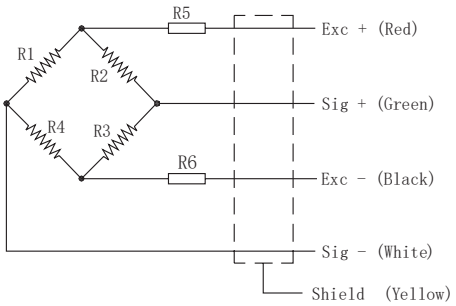
Dimensions:

Unit (mm)



Rated Capacity	1000/2000kg
Accuracy Class	D1
Rated Output	1.0±0.05mV/V 4~20mA(optional)
Non-linearity	±0.3% F.S
Creep (30min)	±0.03%F.S
Input Resistance	700±10Ω
Output Resistance	700±2Ω
Operating Temperature Range	-10~+40°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy Steel IP67
Application for	Pressure measuring overload limiter, Tower crane elevator, Construction elevator

Connection mode:

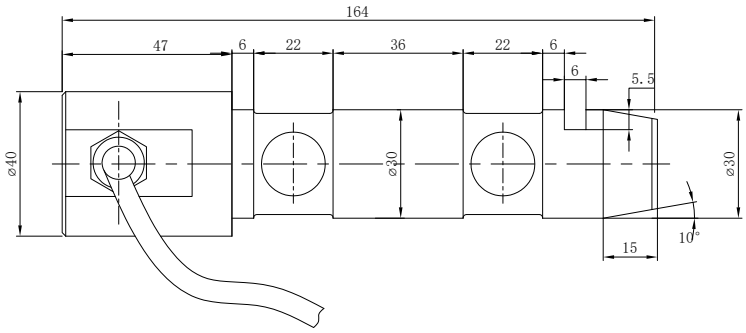


LP7185C



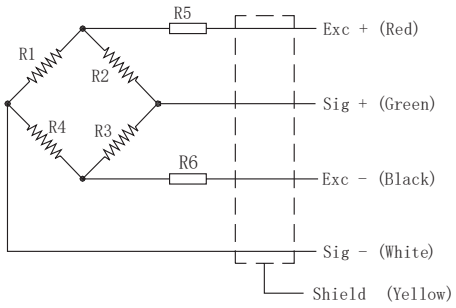
Dimensions:

Unit (mm)



Rated Capacity	500/1000/1500/2000kg
Accuracy Class	D1
Rated Output	1.5±0.05mV/V 0~5V(optional)
Non-linearity	±0.05% F.S
Creep (30min)	±0.03% F.S
Input Resistance	700±10Ω
Output Resistance	700±2Ω
Operating Temperature Range	-10~+40°C
Insulation Resistance	≥5000MΩ （at 50VDC）
Safe Overload	150%F.S
Destructive Load	200%F.S
Excitation Recommend	4~12VDC Max:15VDC
Construction	Alloy steel or stainless steel, IP67
Application for	Pressure measuring overload limiter, Tower crane elevator, Construction elevator

Connection mode:

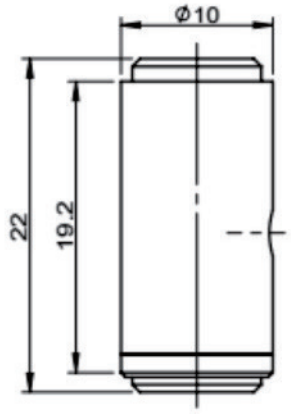


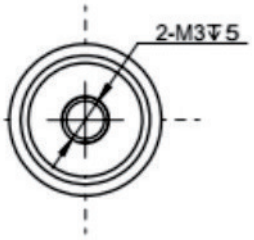
LP7191



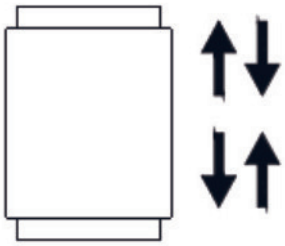
Dimensions:

Unit (mm)

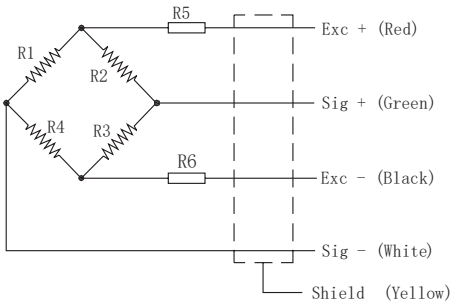




Load direction:



Connection mode:



Capacity	10,20,30,50,100N
Rated Output	2.0±10%mV/V
Zero Balance	±2% F.S.
Non-linearity	0.1%F.S.
Hysteresis	0.1%F.S.
Repeatability	0.1%F.S.
Temp.effect on Output	0.05%FS./10°C
Temp.effect on Zero	0.05%FS./10°C
Input Impedance	350±30Ω
Output Impedance	350±10Q
Insulation	≥5000MQ/100VDC
Recommended Excitation	5~12V
Maximum Excitation	15V
Compensated Temp Range	-10~60°C
Operation Temp Range	-20~80°C
Safe Overload	150%FS.
Ultimate Overload	200%F.S.
Cable Size	φ2x3000mm

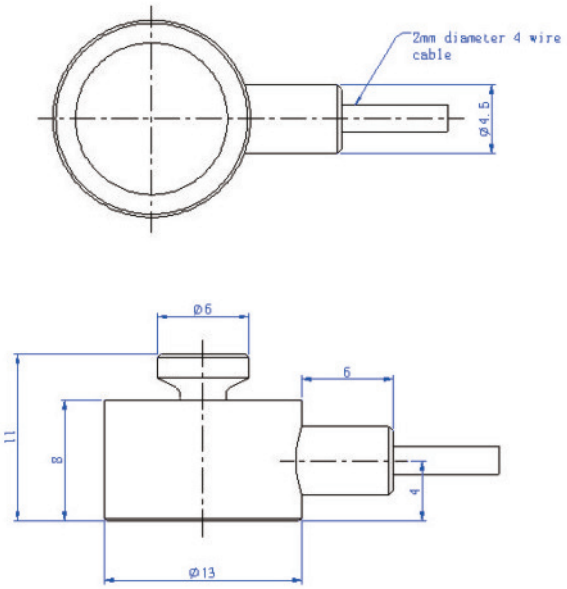
LP7192A



Capacity	10kg
Sensitivity	1mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.5% of Cn
Hysteresis	±0.5% of Cn
Creep,DR	±0.5%/30min
Repeatability	±0.5% of Cn
Zero Balance	±0.05mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.1% of Cn
Temperature effect on Sensitivity	±0.1% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage Temperature Range	-25~+70°C
Insulation Resistance	>5GQ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP66

Dimensions:

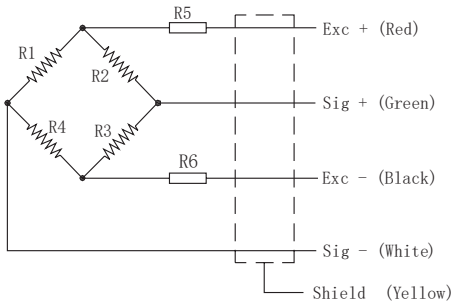
Unit (mm)



Features:

- Small button cell type
- Stainless steel
- Compression
- Protection class IP65

Connection mode:

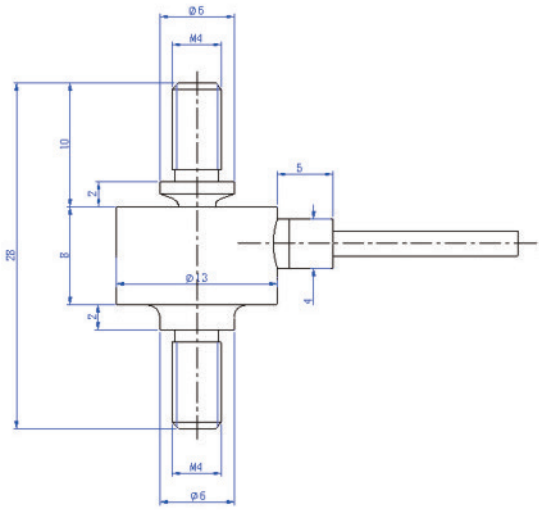


LP7192B



Dimensions:

Unit (mm)

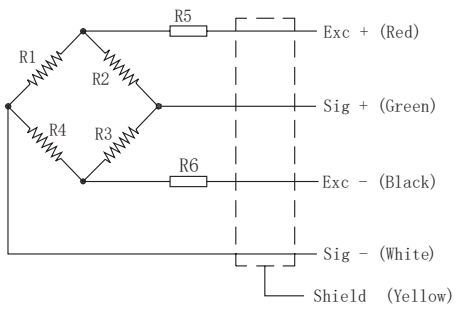


Capacity	10,20,50,100,200,500N
Sensitivity	1mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.2% of Cn
Hysteresis	±0.2% of Cn
Creep,DR	±0.2%/30min
Repeatability	±0.2% of Cn
Zero Balance	±0.05mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.2% of Cn
Temperature effect on Sensitivity	±0.2% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage Temperature Range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP66

Features:

- Small button cell type
- Stainless steel
- Tension and compression
- Protection class IP66

Connection mode:



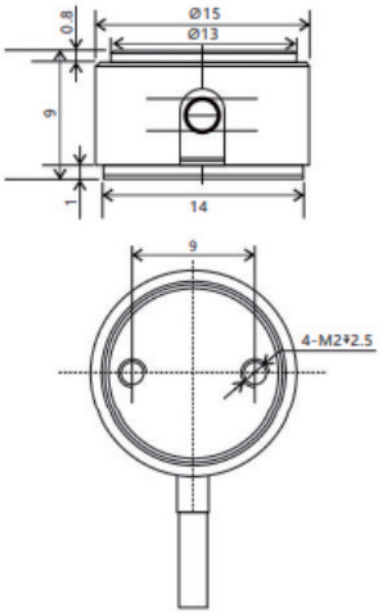
LP7193



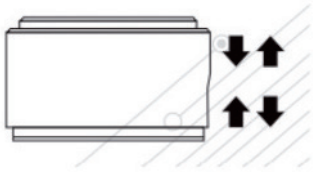
Capacity	10,20,50,100,200,500N
Sensitivity	1mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.2% of Cn
Hysteresis	±0.2% of Cn
Creep,DR	±0.2%/30min
Repeatability	±0.2% of Cn
Zero Balance	±0.05mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.2% of Cn
Temperature effect on Sensitivity	±0.2% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage Temperature Range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP66

Dimensions:

Unit (mm)



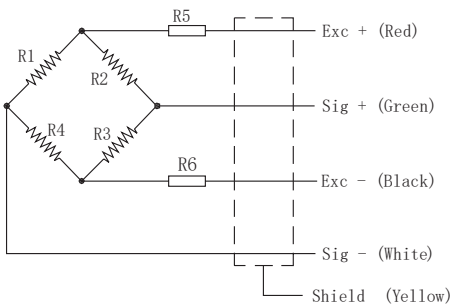
Load direction:



Features:

- Small button cell type
- Stainless steel
- Compression
- Protection class IP66

Connection mode:

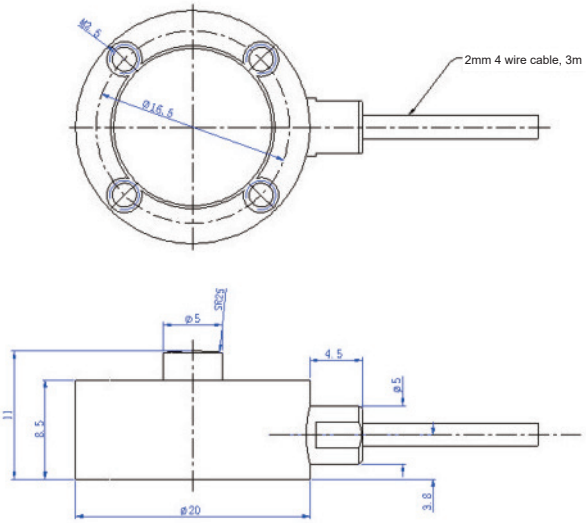


LP7194A



Dimensions:

Unit (mm)

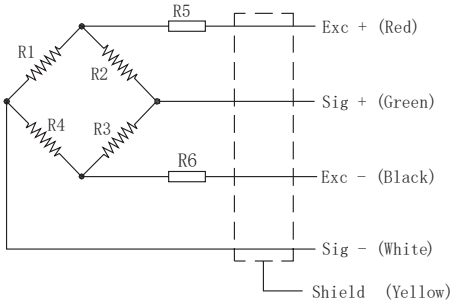


Capacity	50,100,200,500N 1,2,5kN
Sensitivity	1mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.1% of Cn
Hysteresis	±0.1% of Cn
Creep,DR	±0.05%/30min
Repeatability	±0.1% of Cn
Zero Balance	±0.02mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.1% of Cn
Temperature effective on Sensitivity	±0.1% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage Temperature Range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP67

Features:

- Small button cell type
- Stainless steel
- Compression
- High protection class

Connection mode:



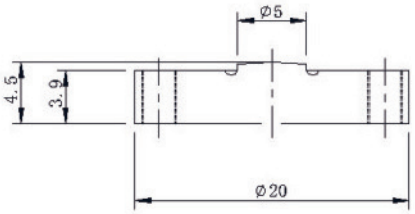
LP7194B

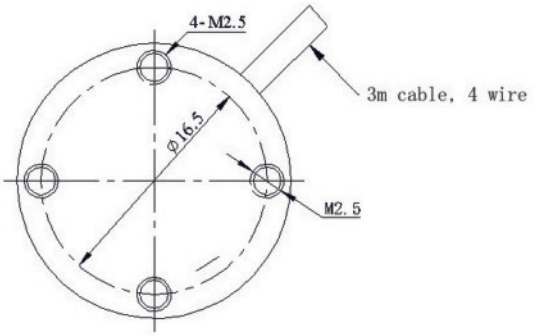


Capacity	50,100,200,500N 1,2kN
Sensitivity	1mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.2% of Cn
Hysteresis	±0.2% of Cn
Creep,DR	±0.05%/30min
Repeatability	±0.2% of Cn
Zero Balance	±0.05mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.1% of Cn
Temperature effect on Sensitivity	±0.1% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage Temperature Range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP67

Dimensions:

Unit (mm)

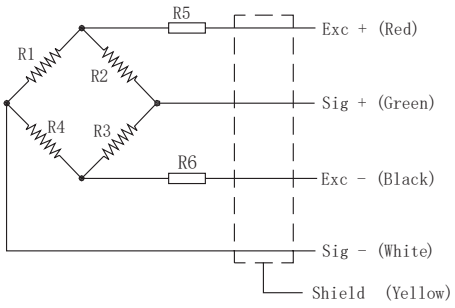




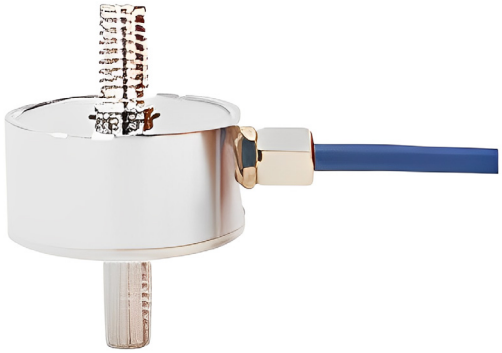
Features:

- Small button cell type
- Stainless steel
- Compression
- High protection class

Connection mode:

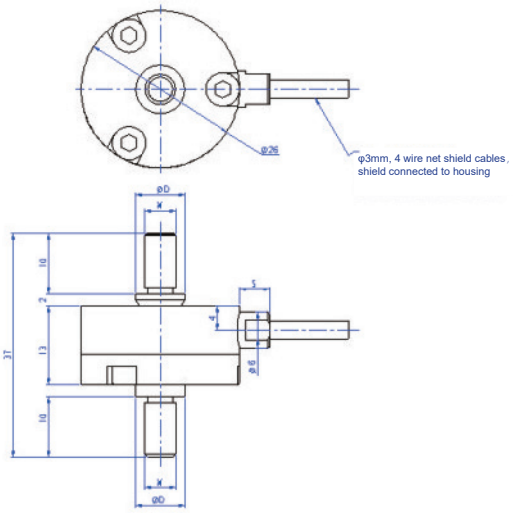


LP7195A



Dimensions:

Unit (mm)

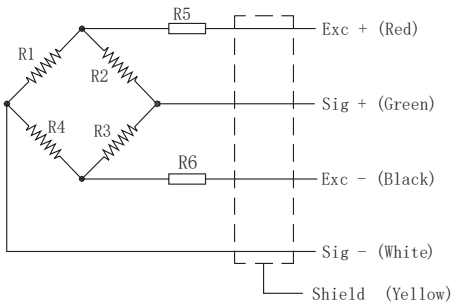


Capacity	50,100,200,500N 1,2,5kN
Sensitivity	1mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.1% of Cn
Hysteresis	±0.1% of Cn
Creep,DR	±0.05%/30min
Repeatability	±0.1% of Cn
Zero Balance	±0.02mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.1% of Cn
Temperature effect on Sensitivity	±0.1% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage Temperature Range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP67

Features:

- Small button cell type
- Stainless steel
- Tension and compression
- High protection class

Connection mode:



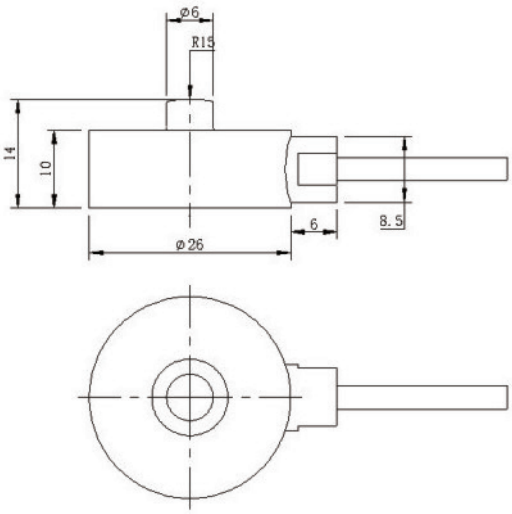
Capacity(N)	M	D
50,100,200,500	5	8
1kN	6	8
2kN	8	10

LP7195B



Dimensions:

Unit (mm)

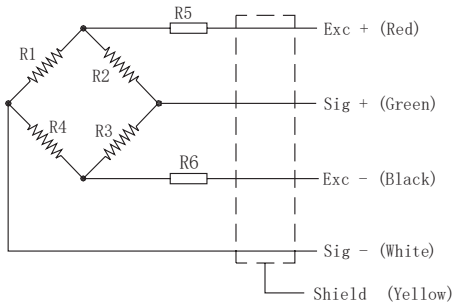


Capacity	50,100,200,500N 1,2,5kN
Sensitivity	1mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.1% of Cn
Hysteresis	±0.1% of Cn
Creep,DR	±0.05%/30min
Repeatability	±0.1% of Cn
Zero Balance	±0.05mV/V
Input Resistance	350±30Ω
Output Resistance	350±30Ω
Temperature effect on Zero	±0.1% of Cn
Temperature effective on Sensitivity	±0.1% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage temperature range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP67

Features:

- Small button cell type
- Stainless steel
- Compression
- High protection class

Connection mode:

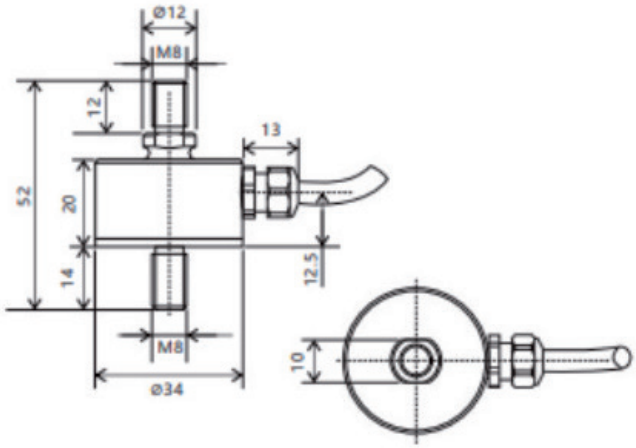


LP7196



Dimensions:

Unit (mm)

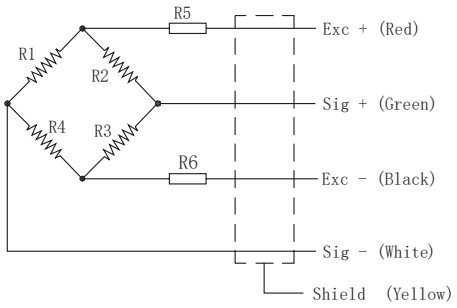


Capacity	500N 1,2,5kN
Sensitivity	2mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.1% of Cn
Hysteresis	±0.1% of Cn
Creep,DR	±0.1%/30min
Repeatability	±0.1% of Cn
Zero Balance	±0.05mV/V
Input Resistance	350±30Ω
Output Resistance	350±5Ω
Temperature effect on Zero	±0.2% of Cn/10K
Temperature effect on Sensitivity	±0.2% of Cn/10K
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage Temperature Range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP66

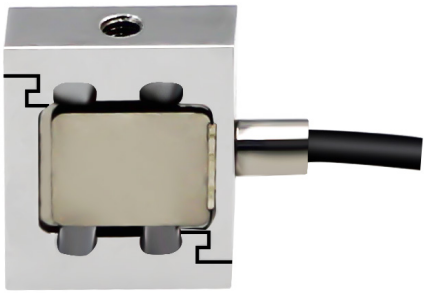
Features:

- Small button cell type
- Stainless steel
- Compression
- High protection class

Connection mode:

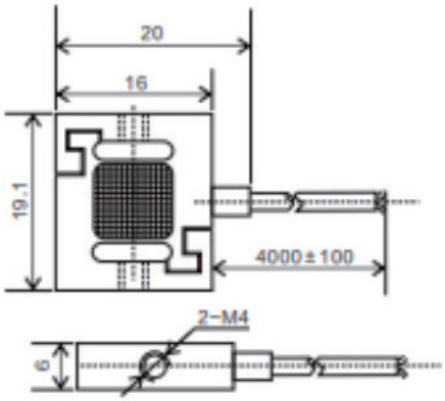


LP7197



Dimensions:

Unit (mm)

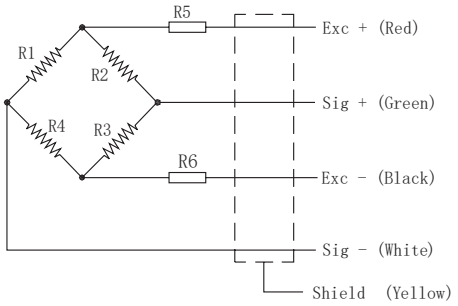


Capacity	5,10,20,50,100,200,500N
Sensitivity	1mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.05% of Cn
Hysteresis	±0.05% of Cn
Creep,DR	±0.1%/30min
Repeatability	±0.05% of Cn
Zero Balance	±0.05mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.1% of Cn
Temperature effect on Sensitivity	±0.1% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage Temperature Range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP66

Features:

- Small mini S type
- Stainless steel
- Tension and compression
- High protection class

Connection mode:



Capacity(N)	A	B	M
2.5,5,10,20	5	6.8	M3
50,100,200,300,500	6	7.5	M4

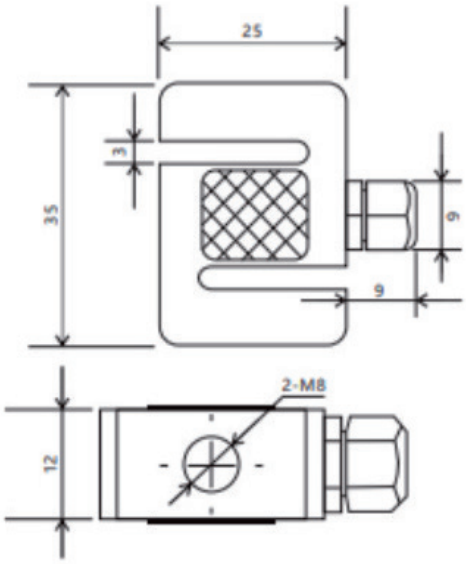
LP7198



Capacity	50,100,200,500N 1,2kN
Sensitivity	2mV/V
Sensitivity Tolerance	-10%~+10%
Non-linearity	±0.05% of Cn
Hysteresis	±0.05% of Cn
Creep,DR	±0.05%/30min
Repeatability	±0.05% of Cn
Zero Balance	±0.05mV/V
Input Resistance	350±30Ω
Output Resistance	350±3Ω
Temperature effect on Zero	±0.05% of Cn
Temperature effect on Sensitivity	±0.05% of Cn
Reference Voltage	5V
Operation Voltage	1-15V
Nominal Temperature Range	-10~+40°C
Service Temperature Range	-10~+50°C
Storage Temperature Range	-25~+70°C
Insulation Resistance	>5GΩ/100V
Safe load limit	150% of Emax
Breaking load limit	300% of Emax
Protection class	IP66

Dimensions:

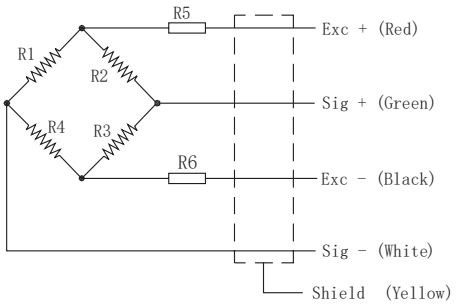
Unit (mm)



Features:

- Small button cell type
- Stainless steel
- Tension and compression
- Protection class IP66

Connection mode:

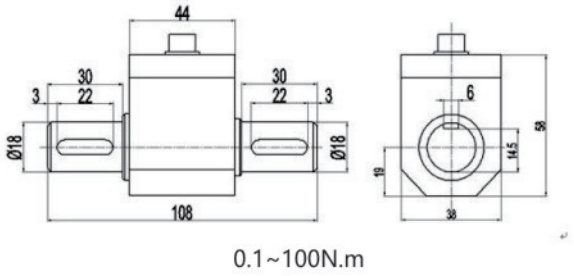


LP7101

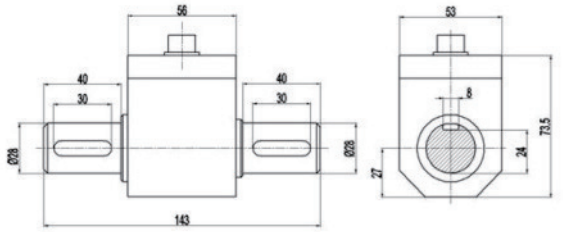


Dimensions:

Unit (mm)



0.1~100N.m



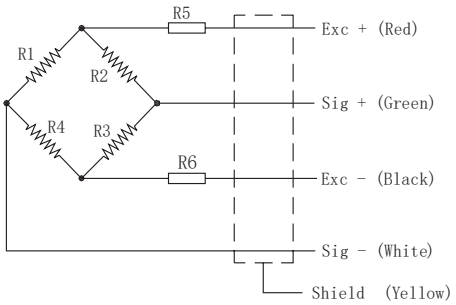
200~500N.m

Capacity	0.1,0.2,0.3,0.5,1,2,3,5, 10,20,30,50,100,200,300,500N.m
Sensitivity	1.0~1.5mV/V
Zero Balance	±1%F.S.
Non-linearity	±0.2%F.S.
Hysteresis	±0.2%F.S.
Repeatability	±0.1%F.S.
Creep(30min)	±0.1%F.S.
Temp.effect on Output	±0.02%F.S./10°C
Temp.effect on Zero	±0.02%F.S./10°C
Input Impedance	350/700±10Ω
Output Impedance	350/700±10Ω
Insulation	≥2000MΩ/100VDC
Recommended Excitation	12V
Maximum Excitation	15V
Compensated temp. range	-10~60°C
Operation temp. range	-20~60°C
Safe Overload	120%F.S.
Ultimate Overload	150%F.S.
Cable Size	3m
Protection class	IP66

Features:

- Constituted by Strain gauge sensitive components and integrated circuits;
- High precision with stable and reliable performance;
- This sensor can be operated long-term in high-speed without wear ring and other wear parts, the output is OK for positive and negative torque signal;Both ends are keyed;
- Maximum speed of torque can not over 4000 r/min.

Connection mode:

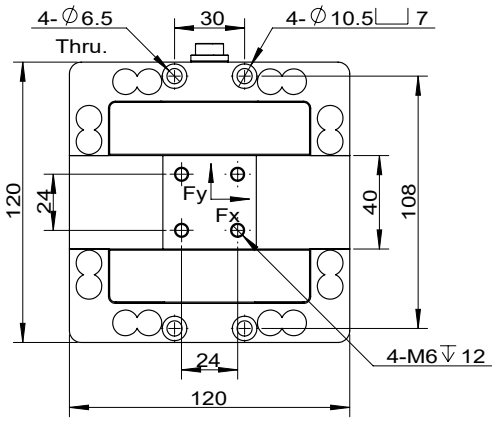


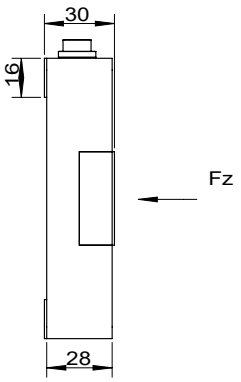
MFS3-A001



Dimensions:

Unit (mm)





Capacity	Fx Fy:500kg Fz: 500kg
Nominal Output(Fx,Fy,Fz)	1.0±10% mV/V
Zero Range	±5% of F.S
Non-linearity	±0.2% of F.S
Hysteresis	±0.2% of F.S
Non-repeatability	±0.2% of F.S
Creep(30min)	±0.1% of F.S
Output Impedance	700 ± 5Ω
Input Impedance	750 ± 20Ω
Temperature effect on Sensitivity	±0.2% F.S/10°C
Temperature effect on Zero	±0.2% F.S/10°C
Compensated temp. range	-10°C~ 40°C
Operating temp. range	-20°C~70°C
Crosstalk between forces	2% F.S
Safe Load	150% F.S
Ultimate Load	200% F.S
Insulation Resistance	≥2000MΩ/50VDC
Recommended Voltage Range	5~12 VDC
Protection class	IP65
Connector	12pin

Connection mode:

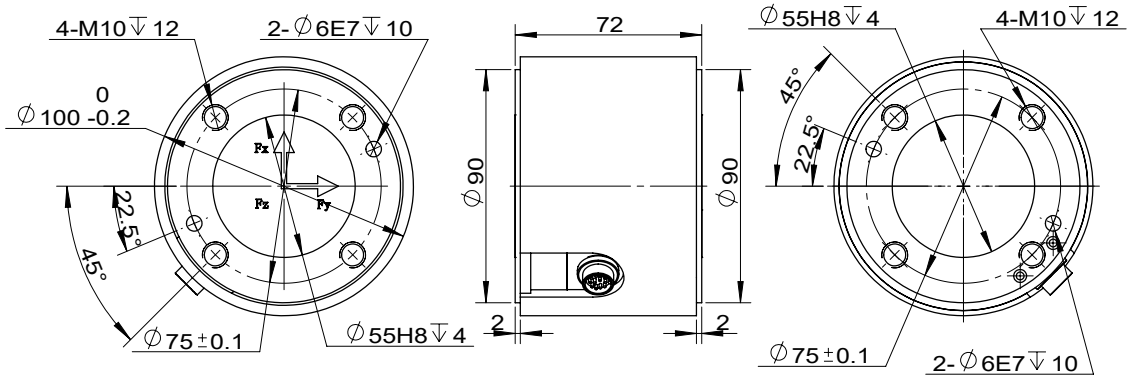
X-axis		Pin	Y-axis		Pin	Z-axis		Pin
E+	Blue	1	E+	Pink	5	E+	Red	9
E-	Brown	2	E-	Black	6	E-	Gray powder	10
S-	White	3	S-	Gray	7	S-	Red and blue	11
S+	Green	4	S+	Yellow	8	S+	Purple	12

MFS3-B002



Dimensions:

Unit (mm)



Capacity	Fx:1t Fy:1t Fz: 3t
Nominal Output	Fx=Fy=2.0mV/V Fz=1.2mV/V
Zero Range	±5% of Cn
Non-linearity	±0.2% of Cn
Hysteresis	±0.2% of Cn
Non-repeatability	±0.2% of Cn
Creep(30min)	±0.1% of Cn
Temperature effect on Zero	±0.2% F.S/10°C
Temperature effect on Sensitivity	±0.2% F.S/10°C
Compensated temp. range	-10°C~ 40°C
Operating temp. range	-20°C~70°C
Safe Load	150% F.S
Ultimate Load	200% F.S
Insulation Resistance	≥2000MΩ/50VDC
Recommended Voltage Range	5~12 VDC
Protection class	IP65
Connector	12pin

Connection mode:

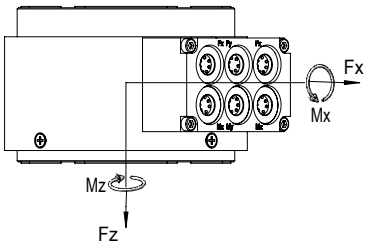
X-axis		Pin	Y-axis		Pin	Z-axis		Pin
E+	Blue	1	E+	Pink	5	E+	Red	9
E-	Brown	2	E-	Black	6	E-	Gray powder	10
S-	White	3	S-	Gray	7	S-	Red and blue	11
S+	Green	4	S+	Yellow	8	S+	Purple	12

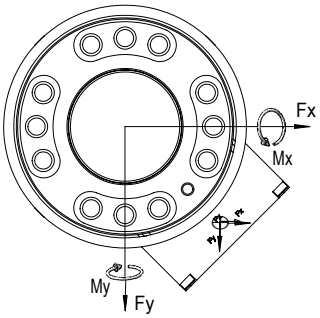
MFS6-A003



Dimensions:

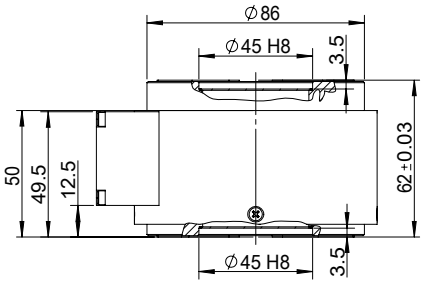
Unit (mm)

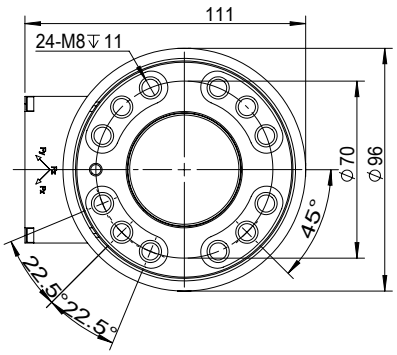




Connection mode:

Fx Fy Fz Mx My Mz		
Pin1	E+	Red
Pin2	S+	Green
Pin3	S-	White
Pin4	E-	Black





Nominal lateral force Fx/Fy	2kN	5kN	10kN
Nominal axial force Fz	10kN	25kN	50kN
Nominal bending moment Mx/My	150N.m	350N.m	700N.m
Nominal torsional moment Mz	150N.m	250N.m	500N.m
Nominal sensitivity Fx/Fy	1.5±0.3 mV/V		
Nominal sensitivity Fz	1.3±0.3 mV/V		
Nominal sensitivity Mx/My	1.4±0.3 mV/V		
Nominal sensitivity Mz	1.2±0.3 mV/V		
Accuracy Class	0.5		
Non-linearity	±0.5% F.S		
Hysteresis	±0.5% F.S		
Non-repeatability	±0.2% F.S		
Creep(30min)	±0.2% F.S		
Temperature effect on Span	±0.2% F.S/10°C		

Temperature effect on Zero	±0.2% F.S/10°C
Compensated temp. range	-10°C~40°C
Operating temp. range	-20°C~65°C
Zero Balance	±1% F.S
Input Resistance	700±15Ω
Output Resistance	700±15Ω
Safe Overload	±150% F.S
Ultimate Overload	±200% F.S
Excitation Voltage	10V AC/DC
Max excitation Voltage	15V AC/DC
Insulation Resistance	≥2000MΩ 50V(DC)
Protection class	IP65
Connector	M9 series 712

LP7320-15	LP7320-16	LP7320-17	LP7320-18	LP7320-20	LP7320-22
M12x1.75	M12x1.75	M16	1/2-20	M18x1.5	M24x2



LP7313-P1(P2)-4
Plastic,IP67
151 x 80 x 40mm
P1:Excitation P2:Signal



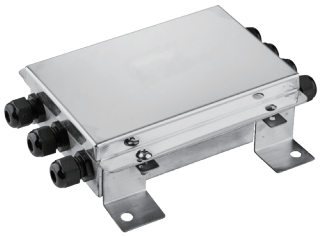
LP7312-A1(A2)/S1(S2)-4
Mild steel or stainless steel,IP67
148 x144 x 37mm
A1/S1:Excitation A2/S2:Signal



LP7310-S1/S2-4
Stainless steel, IP67;
192 x 136 x 46 mm
S1: Excitation S2: Signal



LP7310-S1/S2-6
Stainless steel, IP67;
206 x 160 x 53 mm
S1: Excitation S2: Signal



LP7310-S1/S2-8
Stainless steel, IP67;
318 x 160 x 60 mm
S1: Excitation S2: Signal



LP7311 S2-4
Stainless steel, IP67;
200 x 76 x 41 mm



LP7340-
PVC Shield



LP7342-
Metal Shield



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