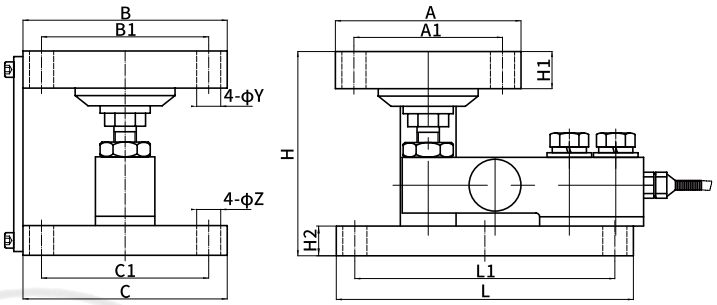
10 WEIGHING MODULES



The cantilever weighing module is combined and cantilever beam weighing sensor can be used a practical structure accessories.

DYMK-001 Weighing Modules





Product Reviews

Characteristic

The cantilever weighing module is combined and cantilever beam weighing sensor can be used a practical structure accessories, it is a combination of two boards, roof, substrate, plus the sensor, and support column and supporting bolts, the characteristics of the weighing module is not limited by the site, general hopper scale are three corners or four corners, or the tank container on both sides, also not the area.

Application Area

- It is used in large material tank, bin weighing, reaction kettle, hopper and vertical tank weighing application.

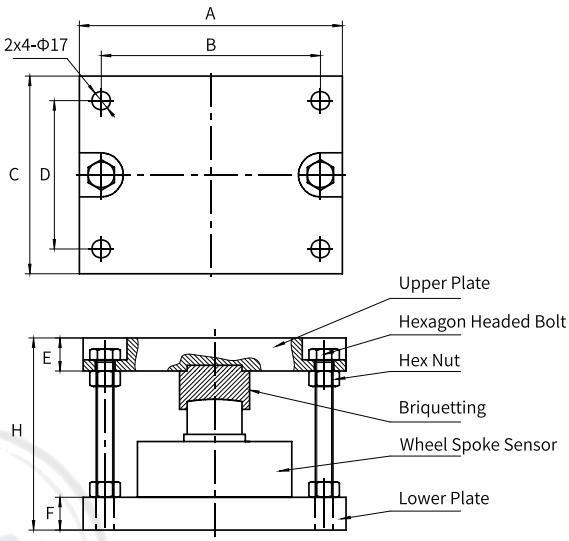
Parameters Table			
Range	0-15T	Material quality	Alloy Steel
Output sensitivity	2.0±10%mV/V	Impedance	350Ω
Zero point output	±2%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.1%F.S.	Service voltage	5-10v
Hysteresis	0.1%F.S.	Operating temperature range	-20-80℃
Repeatability	0.1%F.S.	Safe overload	120%
Creep (30 min)	0.05%F.S.	Extreme overload	150%
Temperature sensitivity drift	0.05%F.S./10℃	Cable line specifications	ϕ5x3m
Xero point temperature drift	0.05%F.S./10℃	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

Range (T)	A	Al	B	B1	C	C1	L	L1	H	H1	H2	Y	Z
0.1-2	100	80	110	90	110	90	160	140	110	20	16	13	13
3-5	150	122	110	80	110	80	228	200	131	26.5	24.5	13	13
10-15	180	140	140	100	140	100	290	250	157.5	30	30	22	22

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DYMK-002 Weighing Modules





Product Reviews

Characteristic

The sensor elastomer is a pore structure. The whole structure is like a wheel, and multiple spokes form between the hub and the tire. External loads are applied to the upper end face of the center. The hub, spokes and tires together form multiple shear beams with fixed supports on both sides. The shear stress elastomer of the hole structure has low appearance and good stability.

It is insensitive to bending moments and has a good linearity. Large transverse stiffness, strong resistance to lateral and eccentric loads. The integrated structure is symmetrical, and the thermal expansion in different directions coincides with each other. The temperature coefficient is small.

Application Area

- Platform Weighing Scale
- Truck Scale
- Orbital Ground Pound
- Barster, storage tank, bucket tank scale and other weighing equipment.
- It is used in large material tank, bin weighing, reaction kettle, hopper and vertical tank weighing application.

Parameters Table

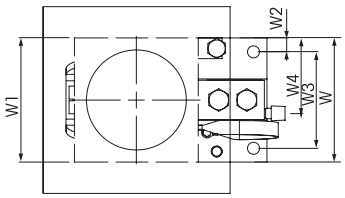
Range	0-100T	Material quality	Stainless Steel/Alloy Steel
Output sensitivity	2.0±0.002mV/V	Impedance	700/1400Ω
Zero point output	±2%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.05%F.S.	Service voltage	5-15V
Hysteresis	0.03%F.S.	Operating temperature range	-20-80℃
Repeatability	0.03%F.S.	Safe overload	150%
Creep (30 min)	0.03%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.03%F.S.	Cable line specifications	ϕ5x5m
Xero point temperature drift	0.05%F.S./10℃	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

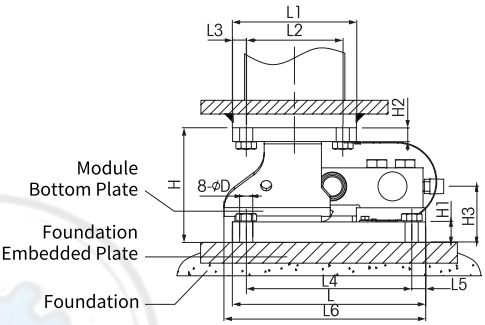
Range (T)	A	B	C	D	E	F	H
1-5	200	170	150	120	24	19	110
10-20	200	160	160	125	25	25	145
30	240	200	180	135	30	30	175
40-60	240	200	180	135	30	30	175
80	330	270	240	170	35	35	235
100	330	270	240	170	35	35	210

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DYMK-003 Weighing Modules







Product Reviews

Characteristic

High precision, high reliability, safety, anti-overturning bolt, 360° horizontal limit to avoid the tank under a large horizontal force of damage, vertical limit to ensure safety, eliminate the tank collapse. Dynamic load, static load multifunctional, stable weighing reading, ensure weighing accuracy, reduce maintenance cost. The roof axial symmetry design requires the installation direction, the grounding cable prevents large current from causing damage to the sensor, and the transportation kit avoids damage to the sensor during installation and transportation.

Application Area

- It is used in large material tank, bin weighing, reaction kettle, hopper and vertical tank weighing application.

Parameters Table

Range	0-5T	Material quality	Stainless Steel/Alloy Steel
Output sensitivity	2.0±0.002mV/V	Impedance	350/380Ω
Zero point output	±0.03%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.03%F.S.	Service voltage	5-15V
Hysteresis	0.03%F.S.	Operating temperature range	-20-60°C
Repeatability	0.03%F.S.	Safe overload	150%
Creep (30 min)	0.03%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.002%F.S.	Cable line specifications	ϕ5x5m
Xero point temperature drift	0.002%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

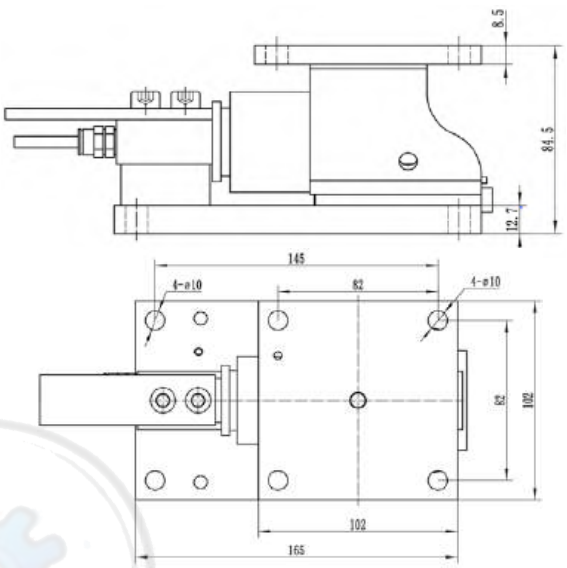
Range	D	H	H1	H2	H3	H4	L	L1	L2	L3	L4	L5	L6	W	W1	W2	W3	W4
10-100kg	10	83	12.7	8	41	10	165	102	82	10	145	10	-	102	102	10	82	60
100-300kg	11.2	105.2	19.1	12.7	50.9	15	177.9	114.4	89	12.7	152.4	12.7	185.6	114.4	114.1	12.7	89	66.6
300kg 500kg	11.2	105.2	19.1	12.7	50.9	15	177.9	114.4	89	12.7	152.4	12.7	185.6	114.4	114.1	12.7	89	66.6
2T 3T					51.3													69.7
5T	17.5	139.2	25.4	19.1	67.9	20	235	152.4	101.6	25.4	184.2	25.4	-	152.4	152.4	25.4	101.6	91.7

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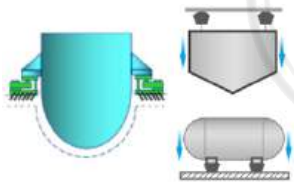
DYMK-004 Weighing Modules



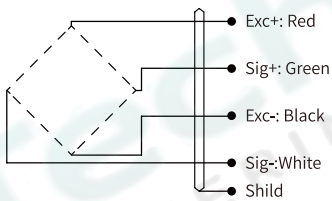




Force diagram of sensor



Sensor wiring diagram



Product Reviews

Characteristic

Unique structure, can be easily installed on a variety of tank support stable to prevent equipment overturning.

Application Area

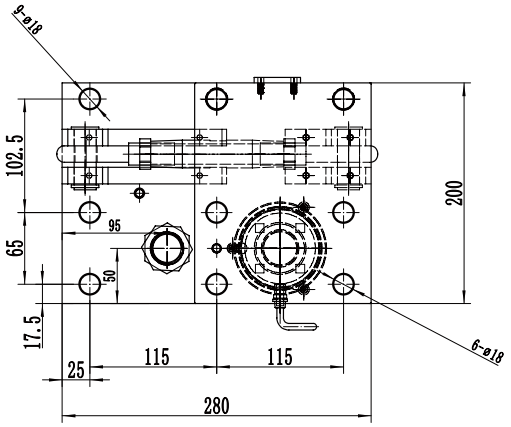
Weighing module can be easily and quickly used in various weighing systems: batching tank, reactor, tank, hopper, electronic truck scale, electronic platform scale, waterproof electronic scale, quantitative packaging scale, automatic weight check scale, electronic hook scale.

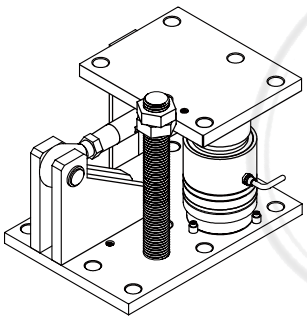
Parameters Table			
Range	10-300kg	Material quality	Alloy Steel
Output sensitivity	2.0/3.0±0.05mV/V	Impedance	350Ω
Zero point output	±1%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.03%F.S.	Service voltage	5-15V
Hysteresis	0.03%F.S.	Operating temperature range	-20-60℃
Repeatability	0.03%F.S.	Safe overload	150%
Creep (30 min)	0.03%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.005%F.S.	Cable line specifications	ф5x3m
Xero point temperature drift	0.005%F.S./10℃	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

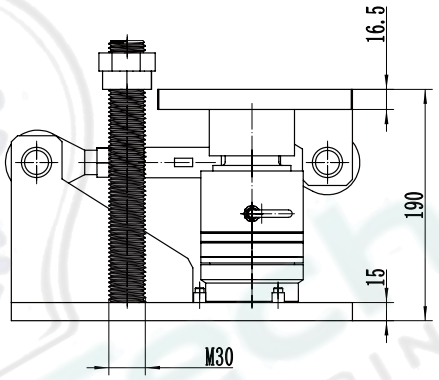
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DYMK-005 Weighing Modules









Product Reviews

Characteristic

Low height, large contact area, reasonable design structure, high comprehensive accuracy, and convenient installation. Covering a wide range of distances.

Application Area

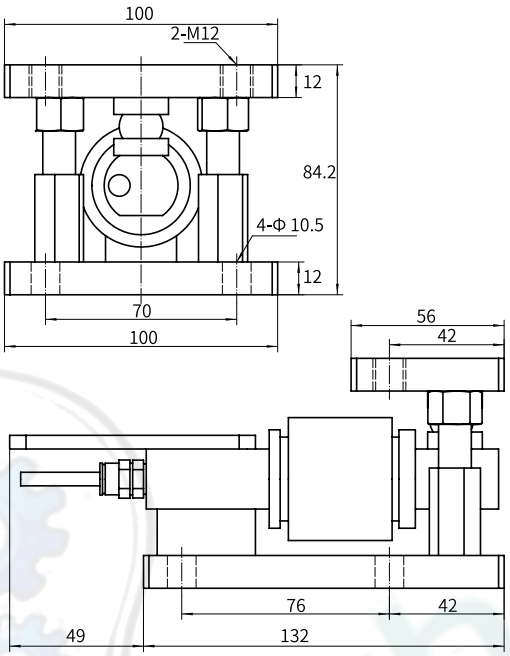
- Widely used in ingredient weighing fields such as reaction vessels, ingredient tanks, hoppers, silos, tanks, cement mixing plants, chemical, pharmaceutical, and food industries.

Parameters Table			
Range	0-40T	Material quality	Alloy Steel
Output sensitivity	2.0±0.1mV/V	Impedance	700Ω
Zero point output	±0.3%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.03%F.S.	Service voltage	5~15V DC
Hysteresis	0.03%F.S.	Operating temperature range	-20-80°C
Repeatability	0.03%F.S.	Safe overload	150%
Creep (30 min)	0.03%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.02%F.S./10°C	Cable line specifications	ϕ5x5m
Xero point temperature drift	0.02%F.S./10°C	Cable limit tension	10kg
Response frequency	1kHz	TEDS	Selectable

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DYMK-006 Weighing Modules





Product Reviews

Characteristic

Optional stainless steel welded seal, protection grade IP68, can be used in various harsh environments, support bolts always maintain the vertical weighing state of the module to prevent equipment from overturning. Simple installation, fast, convenient maintenance, save shutdown maintenance time.

Application Area

- Suitable for chemical, pharmaceutical, food and other industries of small and medium weighing reactor ingredient process control.

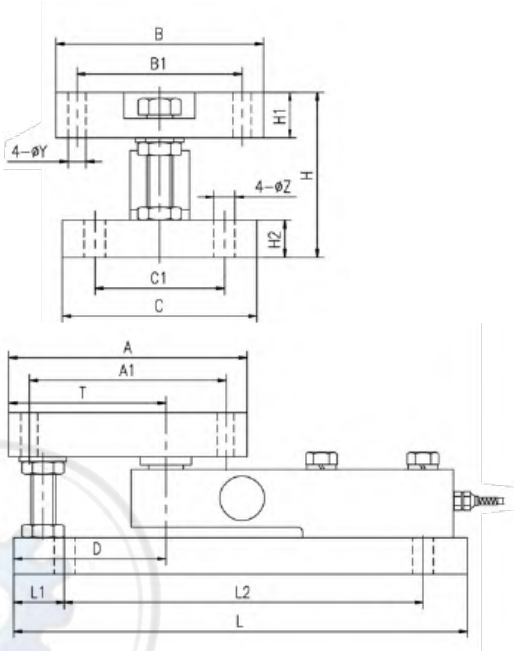
Parameters Table			
Range	0-500kg	Material quality	Stainless Steel/Alloy Steel
Output sensitivity	2.0±0.002mV/V	Impedance	350Ω
Zero point output	±1%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.3%F.S.	Service voltage	5-15v
Hysteresis	0.3%F.S.	Operating temperature range	-20-80℃
Repeatability	0.3%F.S.	Safe overload	150%
Creep (30 min)	0.1%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.1%F.S./10℃	Cable line specifications	ϕ5x3m
Xero point temperature drift	0.1%F.S./10℃	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

Range (kg)					
10	20	50	100	200	500

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DYFW Weighing Modules





Product Reviews

Characteristic

It is composed of two boards, roof, substrate, plus this sensor, and support columns and supporting bolts. The weighing module is not limited by the site and does not occupy the area, the general hopper scale is three or four corners, or the two sides of the tank container.

Application Area

- It is used in large material tank, bin weighing, reaction kettle, hopper and vertical tank weighing application.

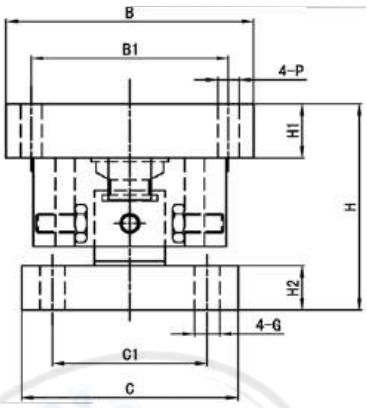
Parameters Table			
Range	0-25T	Material quality	Stainless Steel/Alloy Steel
Output sensitivity	2.0±0.002mV/V	Impedance	350Ω
Zero point output	±1%F.S.	Insulation resistance	≥2000MΩ/100VDC
Nolinear	0.03%F.S.	Service voltage	5-15V
Hysteresis	0.03%F.S.	Operating temperature range	-20-80°C
Repeatability	0.03%F.S.	Safe overload	150%
Creep (30 min)	0.03%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.03%F.S./10°C	Cable line specifications	ϕ5x5m
Xero point temperature drift	0.03%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

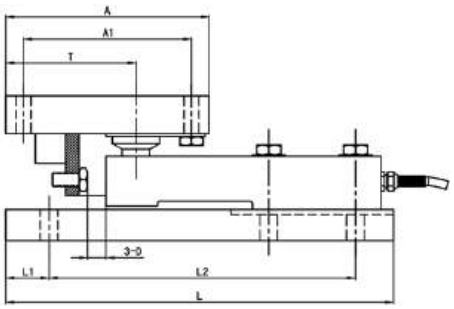
Range (T)	A	A1	B	B1	L	L1	L2	C	C1	H	H1	H2	Y	Z	T	D
0.5-3	150	124	128	102	286	32	226	112	80	102	28	23	13	13	99	96
5-8	178	146	152	120	317.5	32	257	152	102	130	38	29.5	17	17	102	99
10	184	152	154	122	360	32	295	154	106	168	45	45	21	21	108	105
15-25	220	170	220	170	400	25	350	220	170	213	55	55	26	26	115	115

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DYCW Weighing Modules







Product Reviews

Characteristic

Self-stabilizing pressure head design, always maintain the correct loading position, weighing repeatability. High quality alloy steel, surface nickel plating treatment explosion-proof application occasions, stainless steel material optional maintenance is convenient, save shutdown maintenance time.

Application Area

- Platform Weighing Scale
- Truck Scale
- Orbital Ground Pound
- Barster, storage tank, bucket tank scale and other weighing equipment.

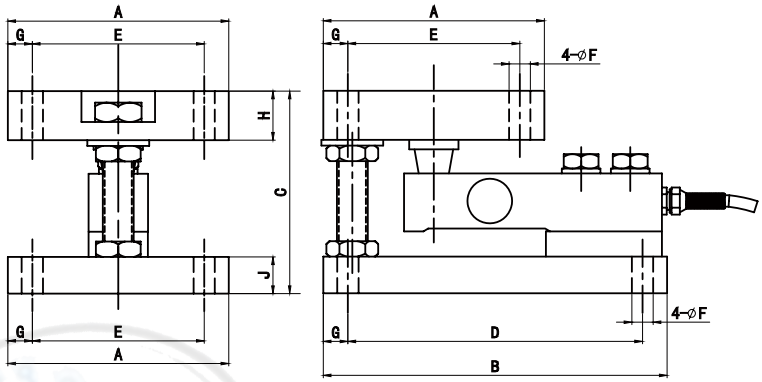
Parameters Table			
Range	0-20T	Material quality	Stainless Steel/Alloy Steel
Output sensitivity	2.0±0.002mV/V	Impedance	350Ω
Zero point output	±2%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.03%F.S.	Service voltage	5-15V
Hysteresis	0.03%F.S.	Operating temperature range	-20-80°C
Repeatability	0.03%F.S.	Safe overload	150%
Creep (30 min)	0.03%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.02%F.S./10°C	Cable line specifications	ϕ5x2m
Xero point temperature drift	0.02%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

Range (T)	L	L1	L2	A	A1	B	B1	C	C1	H	H1	H2	T	P	G	D
0.3/0.5/1/2/3	286	32	226	150	124	128	102	112	80	106.9	28	23	96	M10	ϕ13	1.6
5-8	317.5	32	257	178	146	152	120	152	102	146.2	38	30	99	M16	ϕ17	1.6
10	360	32	295	184	152	154	122	154	106	215.7	45	45	105	M20	ϕ21	3
15,20	400	25	350	220	170	220	170	220	170	255.7	55	55	115	M24	ϕ26	3

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DYFWC Weighing Modules





Product Reviews

Characteristic

It is composed of two boards, roof, substrate, plus this sensor, and support columns and supporting bolts. The weighing module is not limited by the site and does not occupy the area, the general hopper scale is three or four corners, or the two sides of the tank container.

Application Area

- It is used in large material tank, bin weighing, reaction kettle, hopper and vertical tank weighing application.

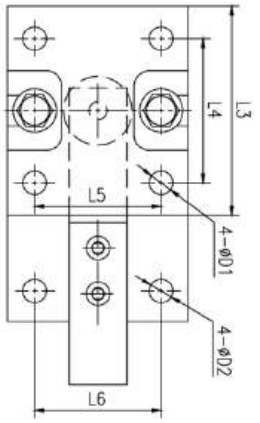
Parameters Table			
Range	0-20T	Material quality	Stainless Steel/Alloy Steel
Output sensitivity	2.0±0.05mV/V	Impedance	350Ω
Zero point output	±1%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.03%F.S.	Service voltage	5-15V
Hysteresis	0.03%F.S.	Operating temperature range	-20-80°C
Repeatability	0.02%F.S.	Safe overload	150%
Creep (30 min)	0.03%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.03%F.S./10°C	Cable line specifications	ϕ5x3m
Xero point temperature drift	0.05%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

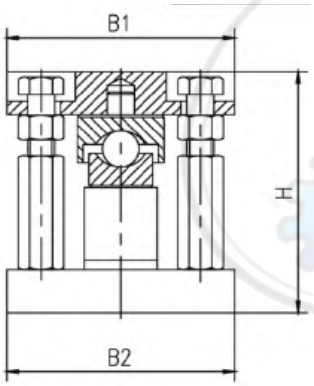
Range	A	B	C	D	E	ΦF	G	H	J	K
0-1000kg	114. 3	177.8	104. 8	152. 4	88.9	11	12.7	25.4	19	50.8
1-5T	152. 4	235	136. 5	184. 2	101.6	17.5	25.4	31. 8	25.4	65.1
10T	203.2	355.6	190. 5	304.8	152.4	20.6	25.4	44.5	44.5	96.8
20T	228.6	406.4	228.6	342.9	165.1	28.5	31.8	50.8	50.8	114

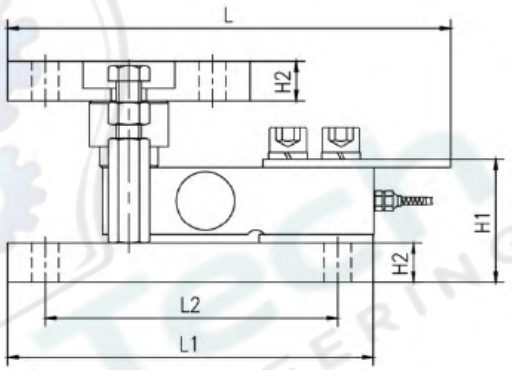
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DYMK-007 Weighing Modules









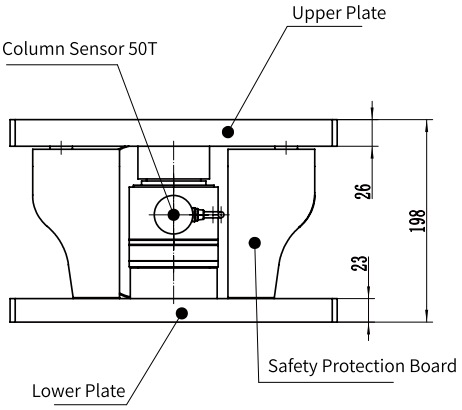
Parameters Table			
Range	0-10T	Material quality	Stainless Steel
Output sensitivity	2.0±0.002mV/V	Impedance	350Ω
Zero point output	±1%F.S.	Insulation resistance	≥2000MΩ/100VDC
Nolinear	0.03%F.S.	Service voltage	5-15V
Hysteresis	0.03%F.S.	Operating temperature range	-20-80°C
Repeatability	0.03%F.S.	Safe overload	150%
Creep (30 min)	0.03%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.03%F.S./10°C	Cable line specifications	ϕ5x3m
Xero point temperature drift	0.03%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

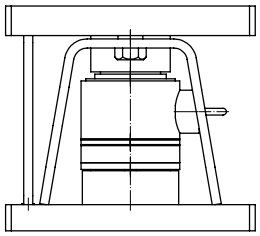
Range (T)	H1	H2	H3	B1	B2	D1	D2	L	L1	L2	L3	L4	L5	L6
0.25-2.5	106	58	18	100	100	13	13	210	175	140	116	80	70	70
3-5	135	73	23	150	150	17	17	270	235	200	150	100	90	90
7.5-10	164	93.3	38(above) 28.5(below)	180	180	26	26	345.2	310	250	210.4	150.4	110	110

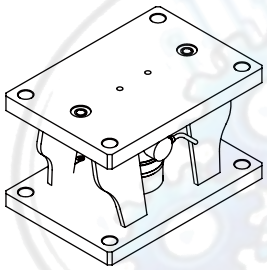
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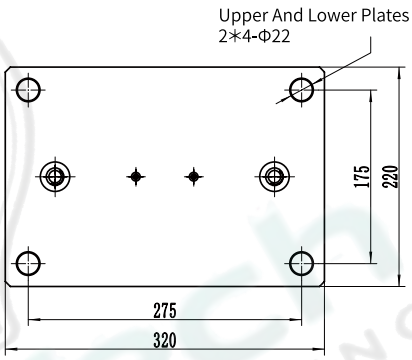
DYMK-008 Weighing Modules











Product Reviews

Characteristic

It is composed of two boards, roof, substrate, plus this sensor, and support columns and supporting bolts. The weighing module is not limited by the site and does not occupy the area, the general hopper scale is three or four corners, or the two sides of the tank container.

Application Area

- It is used in large material tank, bin weighing, reaction kettle, hopper and vertical tank weighing application.

Parameters Table			
Range	50T	Material quality	Stainless Steel/Alloy Steel
Output sensitivity	2.0±1mV/V	Impedance	350Ω
Zero point output	±0.3%F.S.	Insulation resistance	≥5000MΩ/100VDC
Nolinear	0.03%F.S.	Service voltage	5~15V
Hysteresis	0.03%F.S.	Operating temperature range	-20~+80°C
Repeatability	0.03%F.S.	Safe overload	150%
Creep (30 min)	0.03%F.S.	Extreme overload	200%
Temperature sensitivity drift	0.02%F.S./10°C	Cable line specifications	ϕ5x3m
Xero point temperature drift	0.02%F.S./10°C	Cable limit tension	10kg
Response frequency	10kHz	TEDS	

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