

Moorange

Load Cell

ISO9001

* Moorange is the registered load cell brand of HiWEIGH

Moo-range Load Cell

Moorange

Load Cell

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Load Cell

This category includes analog load cells and digital load cells, which can be divided into single point load cells, shear beam load cells, s-type load cells, bending beam load cells, canister load cells, compression load cells and double-ended beam load cells.

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SPECIFICATIONS

Capacity 5-50kg	Sensitivity 2.0±0.2mV/V	Creep (10 Min) 0.015% F.S.	Input Resistance 409±6Ω
Material Aluminum alloy	Overload Limitation 150% F.S.	Zero Output ±2% Emax	Non-linearity ±0.017% Emax.
Protection IP65	Output Resistance 350±3Ω	Temperature Effect Zero 0.17% F.S. / 10°C	Non-Repeatability ±0.01% Emax.
Accuracy C3	Insulation Resistance ≥5000mΩ (50V)	Temperature Effect Sensitivity 0.014% F.S. / 10°C	Recommended Excitation 5-12VDC
			Operating Temperature -35-65°C

FEATURES

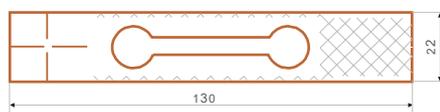
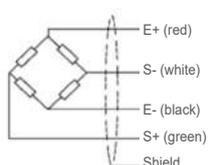
- M13-CE
- M13M-OIML/NTEP
- Capacity up to 50kg
- Aluminum alloy material
- Default cable length is 0.4m, diameter is 3.9mm
(Optional customized longer cable)
- Recommended platform: from 200*200mm to 300*300mm
- Interchangeable with below models:
HMB* PW6C, Mettler Toledo* MT1022,
Tedeo-Huntleigh* 1022, Zemic* L6D, Flintec* PC22



MODELS

Part No.	120001	120002	120003	120004	120005	120006	120007
M13	5kg	10kg	20kg	30kg	35kg	40kg	50kg
Part No.	120008	120009	120010	120011	120012	120013	120014
M13M	5kg	10kg	20kg	30kg	35kg	40kg	50kg
Class	C3						
IP	IP65						

DIMENSION / mm



Weight: 0.2kg

M14 M14i

Single Point Load Cell



SPECIFICATIONS

Capacity M14 - 5-100kg M14i - 15-200kg	Sensitivity 2.0±0.2mV/V	Creep (10 Min) 0.02% F.S.	Input Resistance 409±6Ω
Material M14 - Aluminum alloy M14i - 17-4Ph Stainless Steel	Accuracy C3	Zero Output ±2% Emax	Non-linearity ±0.017% Emax.
Protection M14 - IP65 M14i - IP67	Overload Limitation 150% F.S.	Temperature Effect Zero 0.17% F.S. / 10°C	Non-Repeatability ±0.01% Emax.
	Output Resistance 350±3Ω	Temperature Effect Sensitivity 0.014% F.S. / 10°C	Recommended Excitation 5-12VDC
	Insulation Resistance ≥5000mΩ (50V)		Operating Temperature -35-65°C

FEATURES

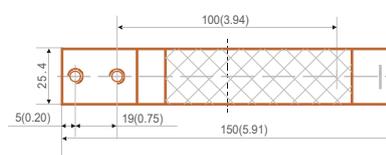
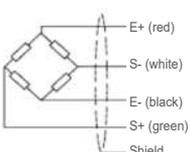
- ◆ M14-CE
- ◆ M14i-OIML/NTEP
- Capacity up to 200kg
- ▲ Aluminum alloy or 17-4Ph stainless steel material
- Default cable length is 3m, diameter is 5mm
(Optional customized longer cable)
- Recommended platform: from 250*250mm to 400*400mm
- Interchangeable with below models:
HMB* PW15A, Mettler Toledo* MT1041,
Tedeia-Huntleigh* 1041./1042/1142, Zemic* L6N/B6N, Flintec* PC42



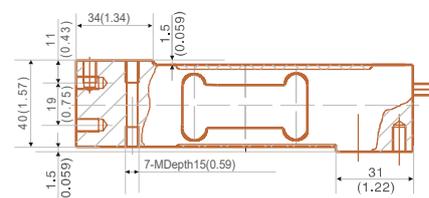
MODELS

Part No.	120015	120016	120017	120018	120019	120020	120021
M14	10kg	15kg	20kg	30kg	50kg	100kg	150kg
Part No.	120022	120023	120024	120025	120026	120027	120028
M14i	15kg	20kg	30kg	50kg	100kg	150kg	200kg
Class	C3						
IP	M14 - IP65 M14i - IP67						

DIMENSION / mm(inch)



Weight: 0.4kg

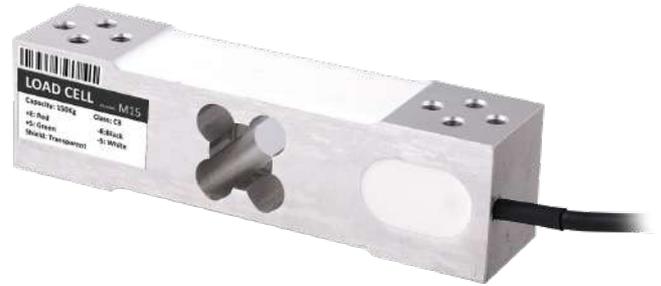


SPECIFICATIONS

Capacity 50-300kg	Sensitivity 2.0±0.2mV/V	Creep (30 Min) 0.02% F.S.	Input Resistance 406±6Ω
Material Aluminum alloy	Overload Limitation 150% F.S.	Zero Output ±2% Emax	Recommended Excitation 5-12VDC
Protection IP65	Output Resistance 350±3Ω	Temperature Effect Zero 0.14% F.S. / 10°C	Operating Temperature -35-65°C
Accuracy C3	Insulation Resistance ≥5000mΩ (50V)	Temperature Effect Sensitivity 0.017% F.S. / 10°C	

FEATURES

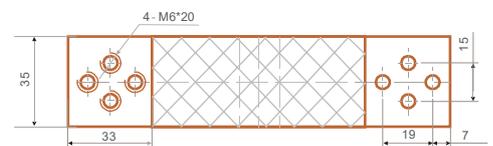
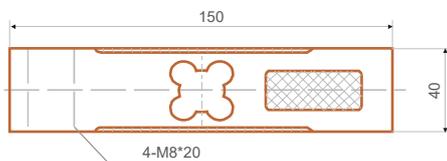
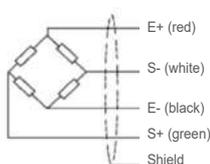
- M15-CE
- M15M-OIML
- Capacity up to 300kg
- Aluminum alloy material
- Default cable length is 2m, diameter is 3.9mm
(Optional customized longer cable)
- Recommended platform: from 300*300mm to 400*500mm
- Interchangeable with below models: Zemic* L6E



MODELS

Part No.	120029	120030	120031	120032	120033
M15	50kg	100kg	150kg	200kg	300kg
Part No.	120034	120035	120036	120037	120038
M15M	50kg	100kg	150kg	200kg	300kg
Class	C3				
IP	IP65				

DIMENSION / mm



Weight: 0.5kg - M15
0.6kg - M15M

M15F M15FM

Single Point Load Cell



SPECIFICATIONS

Capacity 100-400kg	Sensitivity 2.0±0.2mV/V	Creep (30 Min) 0.02% F.S.	Input Resistance 406±6Ω
Material Aluminum alloy	Overload Limitation 150% F.S.	Zero Output ±2% Emax	Recommended Excitation 5-12VDC
Protection IP65	Output Resistance 350±3Ω	Temperature Effect Zero 0.14% F.S. / 10°C	Operating Temperature -35-65°C
Accuracy C3	Insulation Resistance ≥5000mΩ (50V)	Temperature Effect Sensitivity 0.017% F.S. / 10°C	

FEATURES

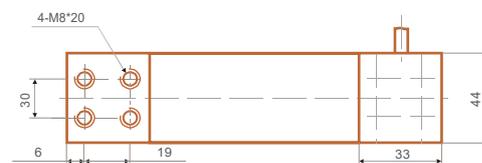
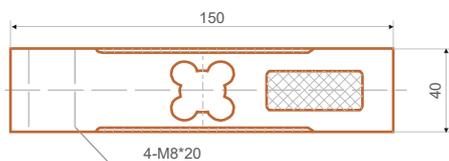
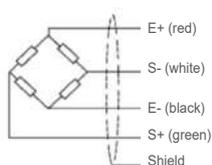
- M15F-CE
- M15FM-OIML
- Capacity up to 400kg
- Aluminum alloy material
- Default cable length is 2m, diameter is 3.9mm
(Optional customized longer cable)
- Recommended platform: from 300*300mm to 400*500mm
- Interchangeable with below models: Zemic* L6E3



MODELS

Part No.	120039	120040	120041	120042
M15F	100kg	200kg	300kg	400kg
Part No.	120043	120044	120045	120046
M15FM	100kg	200kg	300kg	400kg
Class	C3			
IP	IP65			

DIMENSION / mm



Weight: 0.7kg - M15F
0.7kg - M15FM

SPECIFICATIONS

Capacity 50-250kg	Sensitivity 2.0±0.2mV/V	Creep (30 Min) 0.02% F.S.	Input Resistance 406±6Ω
Material Aluminum alloy	Overload Limitation 150% F.S.	Zero Output ±2% Emax	Recommended Excitation 5-12VDC
Protection IP65	Output Resistance 350±3Ω	Temperature Effect Zero 0.17% F.S. / 10°C	Operating Temperature -35-65°C
Accuracy C3	Insulation Resistance ≥5000mΩ (50V)	Temperature Effect Sensitivity 0.014% F.S. / 10°C	

FEATURES

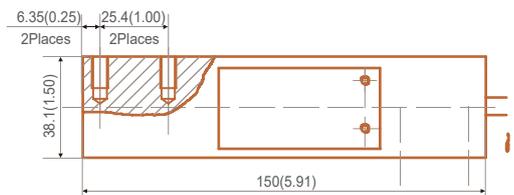
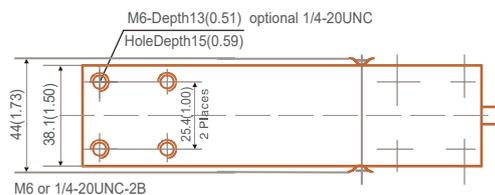
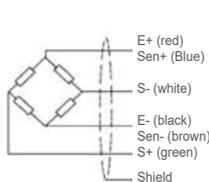
- M16-OIML/NTEP
- Capacity up to 250kg
- Aluminum alloy material
- Default cable length is 3m, diameter is 5mm
(Optional customized longer cable)
- Recommended platform: from 300*300mm to 400*500mm
- Interchangeable with below models: HMB* PW10A,
Mettler Toledo* MT1241, TedeA-Huntleigh* 1242, Zemic* L6Q, Flintec* PC46



MODELS

Part No.	120047	120048	120049	120050	120051
M16	50kg	100kg	150kg	200kg	250kg
Class	C3				
IP	IP65				

DIMENSION / mm(inch)



Weight: 0.5kg

M17 M17M

Single Point Load Cell

Moorrange

SPECIFICATIONS

Capacity 50-750kg	Sensitivity 2.0±0.2mV/V	Creep (10 Min) 0.015% F.S.	Input Resistance 409±6Ω
Material Aluminum alloy	Overload Limitation 150% F.S.	Zero Output ±3% Emax	Recommended Excitation 5-12VDC
Protection IP65	Output Resistance 350±3Ω	Temperature Effect Zero 0.14% F.S. / 10°C	Operating Temperature -35-65°C
Accuracy C3	Insulation Resistance ≥5000mΩ (50V)	Temperature Effect Sensitivity 0.017% F.S. / 10°C	

FEATURES

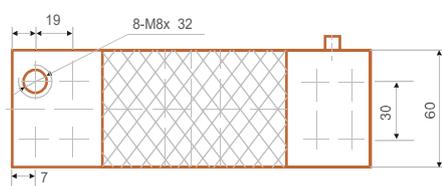
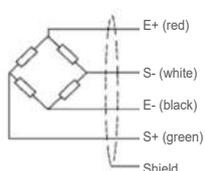
- M17-CE
- M17M-OIML/NTEP
- Capacity up to 250kg
- Aluminum alloy material
- Default cable length is 3m, diameter is 3.9mm
(Optional customized longer cable)
- Recommended platform: from 400*400mm to 800*800mm
- Interchangeable with below models:
TedeA-Huntleigh* 1263, Zemic* L6G, Celtron* LOG ME



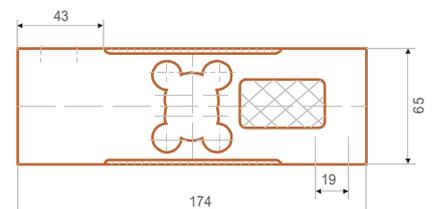
MODELS

Part No.	120052	120053	120054	120055	120056	120057	120058
M17	50kg	100kg	200kg	300kg	500kg	600kg	750kg
Part No.	120059	120060	120061	120062	120063	120064	120065
M17M	50kg	100kg	200kg	300kg	500kg	600kg	750kg
Class	C3						
IP	IP65						

DIMENSION / mm



Weight: 1.7kg



SPECIFICATIONS

Capacity 100-635kg	Sensitivity 2.0±0.2mV/V	Creep (10 Min) 0.015% F.S.	Input Resistance 406±6Ω
Material Aluminum alloy	Overload Limitation 150% F.S.	Zero Output ±2% Emax	Recommended Excitation 5-12VDC
Protection IP65	Output Resistance 350±3Ω	Temperature Effect Zero 0.17% F.S. / 10°C	Operating Temperature -35-65°C
Accuracy C3	Insulation Resistance ≥5000mΩ (50V)	Temperature Effect Sensitivity 0.014% F.S. / 10°C	

FEATURES

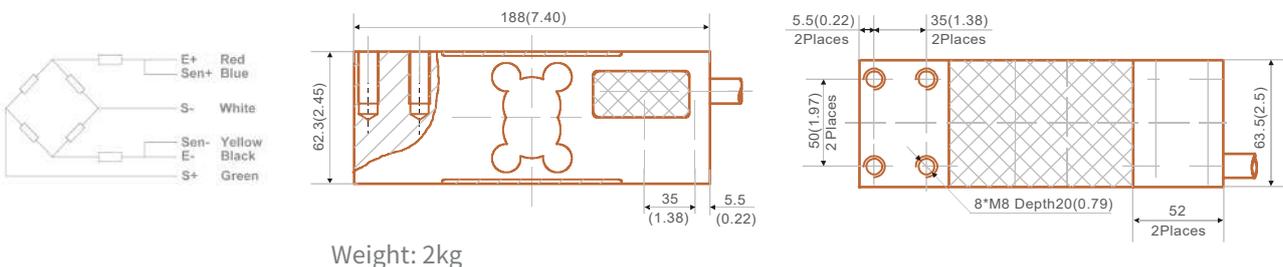
- M18-OIML/NTEP
- Capacity up to 635kg
- Aluminum alloy material
- Default cable length is 3m, diameter is 5mm
(Optional customized longer cable)
- Recommended platform: from 300*300mm to 800*800mm
- Interchangeable with below models: HMB* PW16A,
Mettler Toledo* MT1260, Teda-Huntleigh* 1260, Zemic* L6W, Flintec* PC60



MODELS

Part No.	120066	120067	120068	120069	120070
M18	100kg	200kg	300kg	500kg	635kg
Class	C3				
IP	IP65				

DIMENSION / mm(inch)



M19 M19M

Single Point Load Cell



SPECIFICATIONS

Capacity 200-2000kg	Sensitivity 2.0±0.2mV/V	Creep (10 Min) 0.02% F.S.	Input Resistance 409±6Ω
Material Aluminum alloy	Overload Limitation 150% F.S.	Zero Output ±2% Emax	Non-linearity ±0.017% Emax.
Protection IP65	Output Resistance 350±3Ω	Temperature Effect Zero 0.17% F.S. / 10°C	Non-Repeatability ±0.01% Emax.
Accuracy C3	Insulation Resistance ≥5000mΩ (50V)	Temperature Effect Sensitivity 0.014% F.S. / 10°C	Recommended Excitation 5-12VDC
			Operating Temperature -35-65°C

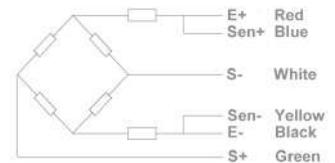
FEATURES

- M19-CE
- M19M-OIML
- Capacity up to 2000kg
- Aluminum alloy material
- Default cable length is 3m, diameter is 6.2mm
(Optional customized longer cable)
- Recommended platform: from 600*600mm to 1200*1200mm
- Interchangeable with below models:
TedeA-Huntleigh* 1320, Celtron-HOC, Zemic* L6F, Flintec* PC81



MODELS

Part No.	120071	120072	120073	120074	120075
M19	200kg	500kg	750kg	1000kg	2000kg
Part No.	120076	120077	120078	120079	120080
M19M	200kg	500kg	750kg	1000kg	2000kg
Class	C3				
IP	IP65				



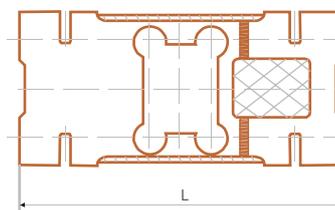
DIMENSION / mm

* M19M

Capacity	L	W	H	D	P	M
50-200	156	44	75	50	24	M12
250-500	146	60	95	70	36	M12
750-2000	176	76	125	95	46	M16

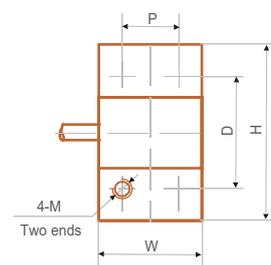
* M19

Capacity	L	W	H	D	P	M
200-2000	146	60	95	70	36	M12



Weight: 1.8kg - M19

2kg - M19M

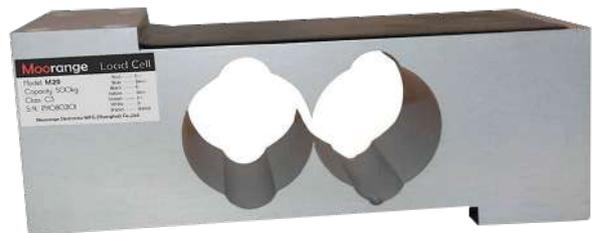


SPECIFICATIONS

Capacity 200-1000kg	Sensitivity 2.0±0.2mV/V	Creep (30 Min) 0.02% F.S.	Input Resistance 409±6Ω
Material Aluminum alloy	Overload Limitation 150% F.S.	Zero Output ±2% Emax	Recommended Excitation 5-12VDC
Protection IP65	Output Resistance 350±3Ω	Temperature Effect Zero 0.17% F.S. / 10°C	Operating Temperature -35-65°C
Accuracy C3	Insulation Resistance ≥5000mΩ (50V)	Temperature Effect Sensitivity 0.014% F.S. / 10°C	

FEATURES

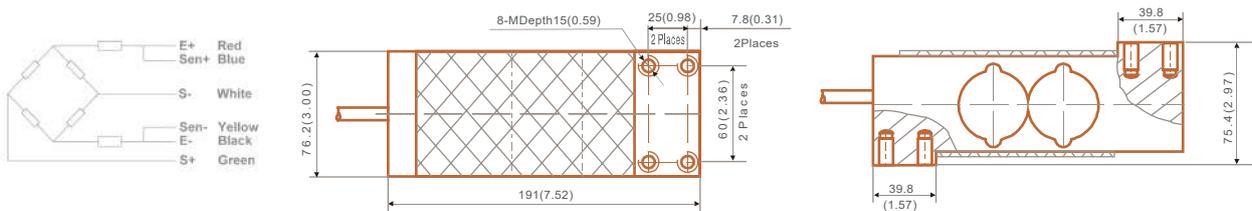
- M20-OIML/NTEP
- Capacity up to 1000kg
- Aluminum alloy material
- Default cable length is 3m, diameter is 5mm
(Optional customized longer cable)
- Recommended platform: from 600*600mm to 800*800mm
- Interchangeable with below models:
HMB* PW12C, TedeA-Huntleigh* 1252, Zemic* L6T



MODELS

Part No.	120081	120082	120083	120084	120085
M20	200kg	300kg	500kg	635kg	1000kg
Class	C3				
IP	IP65				

DIMENSION / mm(inch)



Weight: 2.1kg

M13P

Single Point Load Cell

Moorange

SPECIFICATIONS

Capacity 6-60kg	Sensitivity $2.0 \pm 0.2 \text{ mV/V}$	Creep (30 Min) 0.02% F.S.	Input Resistance $400 \pm 20 \Omega$
Material 17-4Ph Stainless Steel	Overload Limitation 150% F.S.	Zero Output $\pm 1\% \text{ Emax}$	Non-linearity $\pm 0.017\% \text{ Emax}$
Protection IP68	Output Resistance $350 \pm 3 \Omega$	Temperature Effect Zero 0.17% F.S. / 10°C	Non-Repeatability $\pm 0.01\% \text{ Emax}$
Accuracy C3	Insulation Resistance $\geq 5000 \text{ m}\Omega (50\text{V})$	Temperature Effect Sensitivity 0.014% F.S. / 10°C	Recommended Excitation 5-12VDC
			Operating Temperature -35-65°C

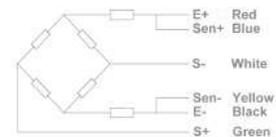
FEATURES

- Capacity up to 60kg
- 17-4Ph Stainless Steel material
- Fully welded construction
- Comprehensive mounting holes
- Default cable length is 6m, diameter is 6.2mm
(Optional customized longer cable)
- Recommended platform: from 250*250mm to 350*350mm
- Interchangeable with below models:
Revere*HPS, Zemic* BM6A, Flintec* PC60



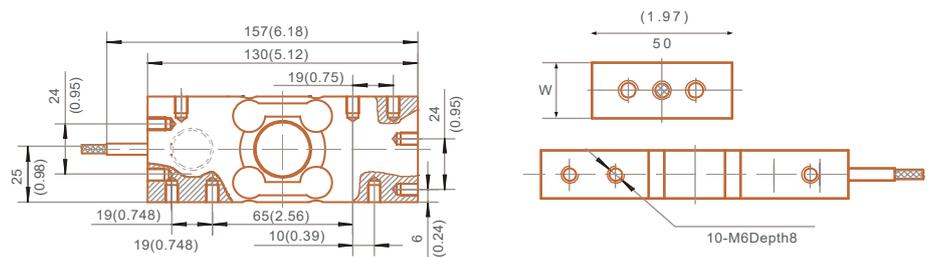
MODELS

Part No.	120086	120087	120088	120089
M13P	6kg	12kg	30kg	60kg
Class		C3		
IP		IP68		



DIMENSION / mm(inch)

Capacity	W
6, 12, 30kg	18.5(0.73)
60kg	23.5(0.93)



Weight: 1kg

SPECIFICATIONS

Capacity 50-300kg	Sensitivity 2.0±0.2mV/V	Insulation Resistance ≥5000mΩ (50VDC)	Non-Repeatability ±0.01% Emax.
Material 17-4Ph Stainless Steel	Overload Limitation 150% F.S.	Input Resistance 350±3.5Ω	Recommended Excitation 5-12VDC
Protection IP68	Combined Error ≤0.023% F.S.	Output Resistance 351±2Ω	Temperature Effect Zero 0.17% F.S. / 10°C
Accuracy C3	Zero Output ±2% Emax	Non-linearity ±0.017% Emax.	Temperature Effect Sensitivity 0.014% F.S. / 10°C
			Operating Temperature -35-65°C

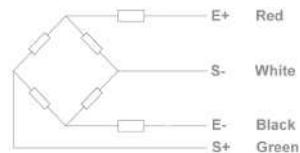
FEATURES

- Capacity up to 300kg
- 17-4Ph Stainless Steel material
- Fully welded construction
- Comprehensive mounting holes
- Default cable length is 2m, diameter is 5mm (Optional customized longer cable)
- Recommended platform: from 300*300mm to 500*500mm
Interchangeable with below models: Zemic* BM6E

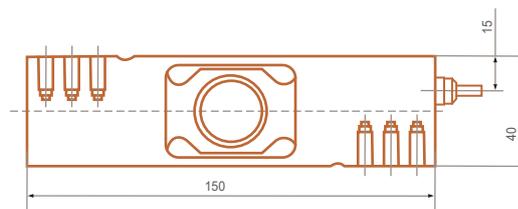
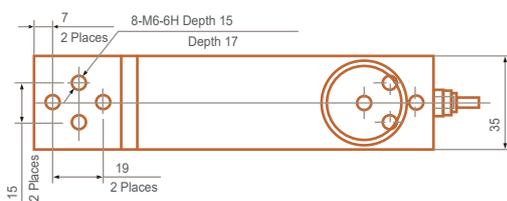


MODELS

Part No.	120090	120091	120092
M15P	50kg	200kg	300kg
Class	C3		
IP	IP68		



DIMENSION / mm



Weight: 1.8kg

M17P

Single Point Load Cell

Moorange

SPECIFICATIONS

Capacity 10-500kg	Sensitivity 2.0±0.2mV/V	Insulation Resistance ≥5000mΩ	Non-Repeatability ±0.01% Emax.
Material 17-4Ph Stainless Steel	Overload Limitation 150% F.S.	Input Resistance 350±3.5Ω	Recommended Excitation 5-12VDC
Protection IP68 & IP69K	Creep (30 Min) 0.02% F.S.	Output Resistance 350±3.5Ω	Temperature Effect Zero 0.17% F.S. / 10°C
Accuracy C3	Zero Output ±1% Emax	Non-linearity ±0.017% Emax.	Temperature Effect Sensitivity 0.014% F.S. / 10°C
			Operating Temperature -35-65°C

FEATURES

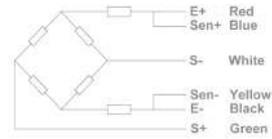
- Capacity up to 500kg
- 17-4Ph Stainless steel material
- Fully welded construction
- Comprehensive mounting holes
- Default cable length is 3m, diameter is 5mm
(Optional customized longer cable)
- Recommended platform: from 250*250mm to 800*800mm
- Interchangeable with below models: HMB* PW15AH (100kg less) ,
Zemic* BM6G, Mettler Toledo* SLP845 (100kg less)



MODELS

Part No.	120093	120094	120095	120096
M17P	10kg	20kg	50kg	100kg
Part No.	120097	120098	120099	120100
M17P-L	100kg	200kg	300kg	500kg
Class	C3			
IP	IP68 & IP69K			

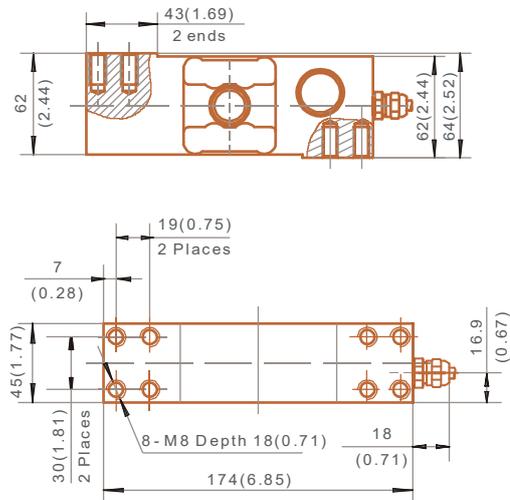
DIMENSION / mm(inch)



* 10-100kg



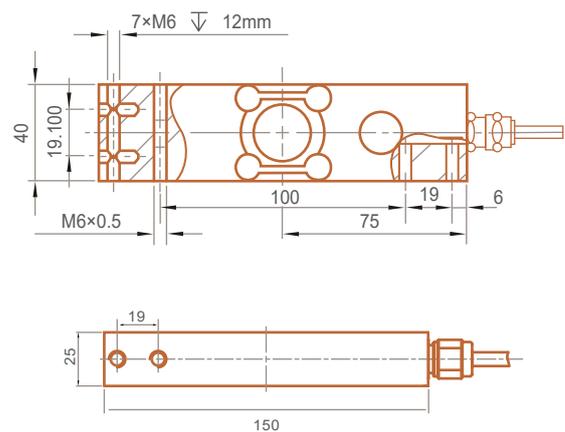
Weight: 1 kg



* 100-500kg



Weight: 3 kg



M28 M28M

Shear Beam Load Cell

SPECIFICATIONS

Capacity 100-10000kg 500lb-20klb	Sensitivity 2.0±0.002mV/V 3.0±0.003mV/V	Insulation Resistance ≥5000mΩ (50VDC)	Non-Repeatability ±0.01% Emax.
Material Alloy steel	Overload Limitation 200% F.S.	Input Resistance 380±5Ω	Recommended Excitation 5-12VDC
Protection IP67	Combined Error ≤0.02% F.S.	Output Resistance 350±2Ω	Temperature Effect Zero 0.02% F.S. / 10°C
Accuracy C3/C4/C5	Zero Output ±1% Emax	Non-linearity ±0.02% Emax.	Temperature Effect Sensitivity 0.02% F.S. / 10°C
			Operating Temperature -35-70°C

FEATURES

- M28-CE
- M28M-OIML/NTEP
- Capacity up to 10000kg
- Alloy steel material
- Optional rubber pads for leveling feet
- Default cable length is 4m, diameter is 5mm (Optional customized longer cable)
- Interchangeable with below models: HBM* HLC, Mettler Toledo* SLP215, TedeA-Huntleigh* 3410/3411, Revere*9123, Zemic* H8C, Flintec* SB9



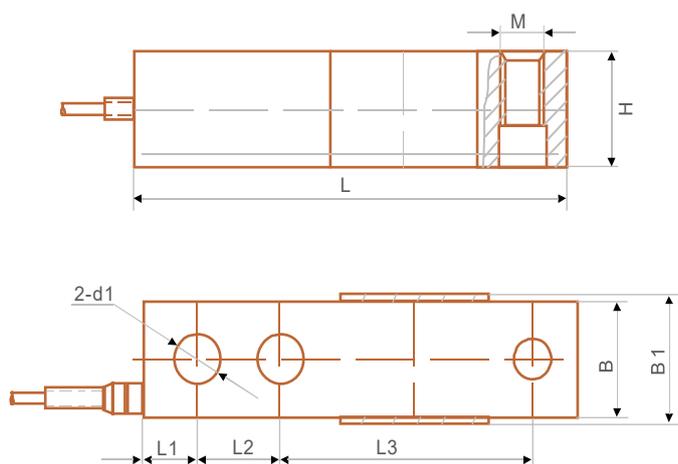
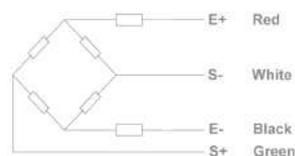
MODELS

Part No.	120101	120102	120103	120104	120105	120106	120107	120108	120109
M28	100kg	250kg	500kg	1000kg	1500kg	2000kg	2500kg	5000kg	10000kg
Part No.	120110	120111	120112	120113	120114	120115	120116	120117	120118
M28M	100kg	250kg	500kg	1000kg	1500kg	2000kg	2500kg	5000kg	10000kg
Part No.	120119	120120	120121	120122	120123	120124	120125	120126	120127
M28M	500lb	1klb	2klb	4klb	5kSE	5klb	7.5klb	10klb	20klb
Class	C3								
IP	IP67								



DIMENSION / mm

Capacity	L	L1	L2	L3	H	B	B1	d1	M	weight/kg
0.1 - 2.0t	130	15.8	25.4	76.2	31.8	31.8	34	13.5	M12x1.75	1.4
2.5 5t	172	19.1	38.1	95.3	38.1	38.1	40	19.8	M18x1.5	2.3
10t	222	25.4	50.8	121	50.8	50.8	52.4	26.9	M24x2	5.3



M28S M28B

Shear Beam Load Cell



SPECIFICATIONS

Capacity 100-10000kg 500lb-20klb	Sensitivity 3.0±0.008mV/V	Creep (30 Min) 0.02% F.S.	Input Resistance 350±3.5Ω
Material Stainless steel	Overload Limitation 150% F.S.	Zero Output ±1% Emax	Non-linearity ±0.02% Emax.
Protection IP67	Output Resistance 350±3Ω	Temperature Effect Zero 0.018% F.S. / 10°C	Non-Repeatability ±0.01% Emax.
Accuracy C3	Insulation Resistance ≥5000mΩ (50V)	Temperature Effect Sensitivity 0.014% F.S. / 10°C	Recommended Excitation 5-12VDC
			Operating Temperature -35-65°C

FEATURES

- M28S-CE
- M28B-OIML/NTEP
- Capacity up to 10000kg
- Stainless steel material
- Optional rubber pads for leveling feet
- Default cable length is 6m, diameter is 5mm
(Optional customized longer cable)
- Interchangeable with below models: Tedeia-Huntleigh* 3410/3411, 3510, Revere*9123, ACB, Sensortronics*65083, Zemic* B8D, Flintec* SB9, Celtron*SEB



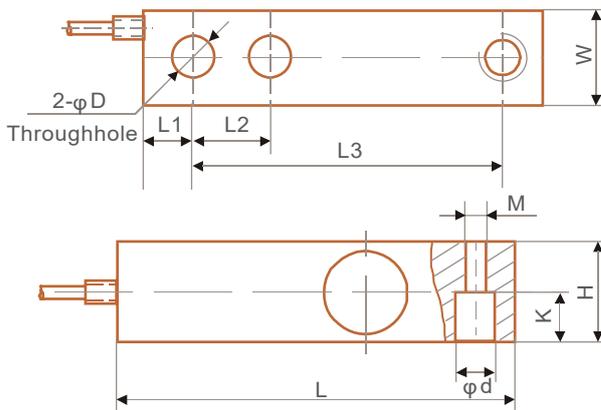
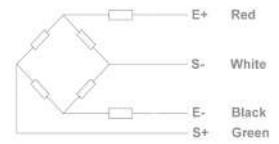
MODELS

Part No.	120128	120129	120130	120131	120132	120133	120134	120135	120136
M28S	100kg	250kg	500kg	1000kg	1500kg	2000kg	2500kg	5000kg	10000kg
Part No.		120137	120138	120139		120140		120141	120142
M28B		250kg	500kg	1000kg		2000kg		5000kg	10000kg
Part No.	120143	120144	120145	120146	120147	120148	120149	120150	120151
M28B	500lb	1klb	2klb	4klb	5klb	7.5klb	10klb	15klb	20klb
Class	C3								
IP	IP67								



DIMENSION / mm/inch

Capacity	L	L1	L2	L3	H	W	D	d	K	M	weight/kg
0.5-2t	130	15.75	25.4	101.6	31.32	31.32	13.46	13.46	15.75	M12x1.75	1.3
5t	171.5	19.05	38.1	133.4	36.83	36.83	20.65	20.65	19.05	M20x2.5	2.3
10t	222.3	25.4	50.8	171.5	49.53	49.53	26.92	27.56	24.75	M24x2	5.2
0.5-2klb	5.12	0.62	1	4	1.19	1.21	0.53	0.53	0.56	1/2-20UNF	1
2.5-5klb	5.12	0.62	1	4	1.23	1.23	0.53	0.53	0.62	1/2-20UNF	1
5-15klb	6.75	0.75	1.5	5.25	1.45	1.45	0.78	0.78	0.75	3/4-16UNF	1.7
20klb	8.75	1	2	6.75	1.95	1.95	1.06	1.09	0.97	1-12UNF	4



M28i M28D

Shear Beam Load Cell



SPECIFICATIONS

Capacity 500-10000kg 500lb-20klb	Sensitivity 2.0±0.002mV/V 3.0±0.008mV/V	Creep (30 Min) 0.02% F.S.	Input Resistance 350±3.5Ω
Material Stainless steel	Overload Limitation 150% F.S.	Zero Output ±1% Emax	Non-linearity ±0.02% Emax.
Protection IP68	Output Resistance 350±3.5Ω	Temperature Effect Zero 0.018% F.S. / 10°C	Non-Repeatability ±0.01% Emax.
Accuracy C3	Insulation Resistance ≥5000mΩ (50VDC)	Temperature Effect Sensitivity 0.014% F.S. / 10°C	Recommended Excitation 5-12VDC
			Operating Temperature -35-65°C

FEATURES

- M28i-CE (till 2500kg)
- M28D-OIML/NTEP
- Capacity up to 10000kg
- Stainless steel material
- Optional rubber pads for leveling feet
- Default cable length is 5m-M28i
- Default cable length is 6m-M28D
(Optional customized longer cable)
- Interchangeable with below models: HMB* BLC/ELC, Mettler Toledo* SLB515, Tedeo-Huntleigh* 3410/3411, Revere*ACB, Celtron*SQB-HSS, Zemic* BM8D, Flintec* SB14/SLB



MODELS

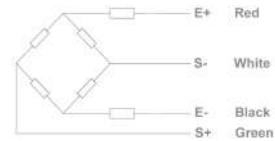
Part No.	120152	120153	120154	120155	120156				
M28i	500kg	1000kg	1500kg	2000kg	2500kg				
Part No.	120157	120158	120159	120160	120161	120162	120163	120164	
M28D	500kg	1000kg	1500kg	2000kg	2500kg	5000kg	7500kg	10000kg	
Part No.	120165	120166	120167	120168	120169	120170	120171	120172	
M28D	1klb	2klb	2.5klb	5klb	7.5klb	10klb	15klb	20klb	
Class	C3/N5								
IP	IP68								

M28i

DIMENSION / mm

Capacity	L	L1	L2	L3	L4	H	h	B	D	M	weight/kg
0.5-2.5t	133.4	16.4	25.4	101.6	-	30.2	28.4	30.7	13	M12x1.75	1.3

* lb models with screw thread of 1/2-20UNF | 3/4-16UNF | 1-12UNF

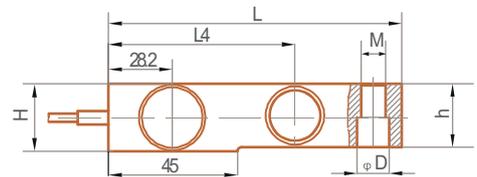
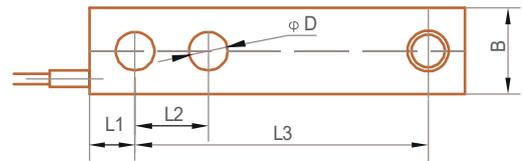


M28D

DIMENSION / mm

Capacity	L	L1	L2	L3	L4	H	h	B	D	M	weight/kg
500kg	130	15.7	25.4	101.6	79.5	31.3	24.76	30.7	13.4	M12x1.75	1
1t	130	15.7	25.4	101.6	79.5	31.3	26	30.7	13.4	M12x1.75	1
1.5-2t	130	15.7	25.4	101.6	79.5	31.3	27.95	30.7	13.4	M12x1.75	1
2.5-5t	171.1	19	38.1	133.3	111.1	36.8	31.95	30.7	19.8	M20x2.5	1.7
7.5-10t	222.2	25.4	50.8	171.5	144	49.5	40	49.5	26.9	M24x2	3.7

* lb models with screw thread of 1/2-20UNF | 3/4-16UNF | 1-12UNF



M3

S-Type Load Cell

SPECIFICATIONS

Capacity 50-30000kg	Sensitivity 2.0±0.001mV/V	Creep (30 Min) 0.02% F.S.	Input Resistance 380±5Ω
Material Alloy steel	Overload Limitation 150% F.S.	Zero Output ±1% Emax	Recommended Excitation 5-12VDC
Protection IP67	Output Resistance 350±2Ω	Temperature Effect Zero 0.017% F.S. / 10°C	Operating Temperature -35-65°C
Accuracy C3/N5	Insulation Resistance ≥5000mΩ	Temperature Effect Sensitivity 0.014% F.S. / 10°C	

FEATURES

- M3-CE
- Large capacity up to 30000kg
- Alloy steel material
- Easy to install and maintain
- Suitable for crane scales, hopper scales, etc.
- Default cable length is 4m, diameter is 5mm
(Optional customized longer cable)
- Interchangeable with below models: HMB* S35,
Mettler Toledo* SLS410, Celtron*STC, Revere*363, Zemic* H3/B3G, Flintec* PC60

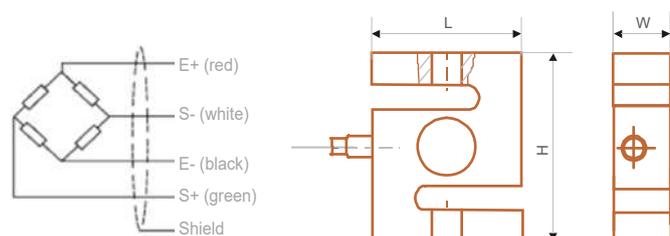


MODELS

Part No.	120173	120174	120175	120176	120177			
M3	50kg	100kg	200kg	300kg	500kg			
Part No.	120178	120179	120180	120181	120182	120183	120184	120185
M3	1000kg	2000kg	3000kg	5000kg	7500kg	10000kg	15000kg	20000kg
Class					C3/N5			
IP					IP67			

DIMENSION / mm

Capacity	100-500kg	1t	2-3t	5t	10t	15-20t
H	76.2	76.2	86	106	178	190
L	50.8	50.8	64	80	130	160
W	19	19	28	36	50.8	60
M	M12	M16	M16	M18	M30	M39
weight/kg	0.75	0.75	0.75	1.5	2.5	5



SPECIFICATIONS

Capacity 50-30000kg 100lb-20klb	Accuracy C3/N5	Zero Output ±1% Emax	Recommended Excitation 5-12VDC
Material Alloy steel - M3M Stainless steel - M3S	Sensitivity 2.0±0.004mV/V - M3M 3.0±0.008mV/V - M3S	Insulation Resistance ≥5000mΩ (50VDC)	Temperature Effect Zero 0.017% F.S. / 10°C
Protection IP67	Overload Limitation 150% F.S.	Input Resistance 350±3.5Ω-M3M 430±50Ω-M3S	Temperature Effect Sensitivity 0.014% F.S. / 10°C
	Creep (30 Min) 0.02% F.S.	Output Resistance 350±3.5Ω	Operating Temperature -35-65°C

FEATURES

- M3M/M3S-OIML/NTEP
- Large capacity up to 30000kg
- Alloy steel or stainless steel material
- Easy to install and maintain
- Suitable for crane scales, hopper scales, etc.
- Default cable length is 4m, diameter is 5mm
(Optional customized longer cable)
- Interchangeable with below models: HMB* S35,
Mettler Toledo* SLS410, Celtron*STC, Revere*363, Zemic* H3/B3G, Flintec* PC60



MODELS

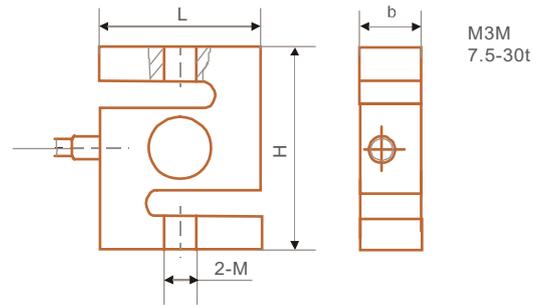
Part No.	120186	120187	120188	120189	120190	120191	120192	120193	120194
M3M	50kg	100kg	200kg	300kg	500kg	750kg	1000kg	2000kg	3000kg
Part No.	120195	120196	120197	120198	120199	120200	120201	120202	120203
M3M	5000kg	7500kg	10t	15t	20t	30t	100lb	200lb	300lb
Part No.	120204	120205	120206	120207	120208	120209	120210	120211	120212
M3M	500lb	750lb	1klb	2klb	3klb	5klb	10klb	15klb	20klb
Part No.	120213	120214	120215	120216	120217	120218	120219	120220	120221
M3S	100kg	250kg	500kg	1000kg	2500kg	5000kg	7500kg	10t	100lb
Part No.	120222	120223	120224	120225	120226	120227	120228	120229	120230
M3S	200lb	500lb	1klb	2klb	3klb	5klb	10klb	15klb	20klb
Class	C3/N5								
IP	IP67								

M3M

DIMENSION / mm/inch

* TE=Efecto Temperatura

Capacidad	L	H	W	T	M	weight/kg
50kg	50.8	76.2	12.7	14.5	M8	0.6
0.1-0.75t	50.8	76.2	19	20.8	M12x1.75	0.6
1-1.5t	50.8	76.2	25.4	27.2	M12x1.75	1
2-5t	76.2	101.6	25.4	27.2	M20x1.5	1.5
7.5-10t	125	175	50	-	M33x3	1.7
15-20t	160	200	60	-	M42x3	2.2
30t	190	230	80	-	M42x3	2.7
100-300lb	50.8	63.5	12.7	15.9	1/4-28UNF	0.6
0.5-1.5klb	50.8	63.5	19.05	22.25	1/2-20UNF	0.6
2-2.5klb	50.8	63.5	25.4	28.6	1/2-20UNF	0.8
3klb	50.8	101.6	25.4	28.6	1/2-20UNF	1.3
5-10klb	76.2	101.6	25.4	28.6	3/4-16UNF	1.3
15klb	101.6	139.7	31.75	34.95	1-14UNF	4
20klb	127	177.8	50.8	54	5/4-12UNF	7

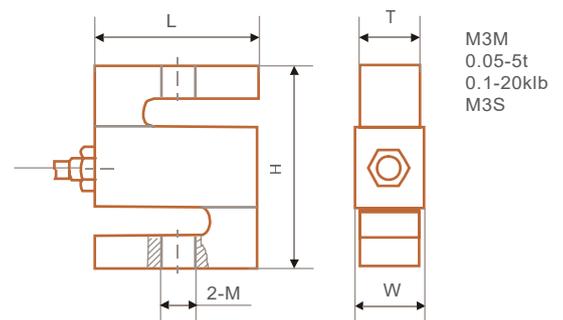


M3S

DIMENSION / mm/inch

5klb with 3/4-16UNF

Capacidad	Capacidad	L	H	W	T	M	weight/kg
50-100kg	50-300lb	50.8	60.96	11.68	15.06	M8 1/4-28UNF	0.6
250-500kg	0.5-1.5klb	50.8	60.96	18.03	21.41	M12 1/2-20UNF	0.6
1t	2-2.5klb	50.8	60.96	24.38	27.76	M12 1/2-20UNF	1
2.5t	3-5klb	76.2	99.06	24.38	27.76	M20 1/2-20UNF	1.5
5t	10klb	74.68	99.06	30.74	34.12	M20 3/4-16UNF	1.7
7.5t	15klb	87.38	139.7	37.08	40.46	M24 1-14UNF	2.2
10t	20klb	112.8	177.8	42.93	46.31	M30 5/4-12UNF	2.7



SPECIFICATIONS

Capacity 10-1000kg	Sensitivity 2.0±0.2mV/V	Creep (30 Min) 0.01% F.S.	Input Resistance 385±5Ω-M5 460±50Ω-M5M
Material Alloy steel - M5 17-4Ph Stainless steel - M5M	Overload Limitation 150% F.S.	Zero Output ±1% Emax	Recommended Excitation 5-12VDC
Protection IP67	Output Resistance 350±2Ω - M5 350±3.5Ω - M5M	Temperature Effect Zero 0.02% F.S. / 10°C	Operating Temperature -30-70°C
Accuracy C3	Insulation Resistance ≥5000mΩ	Temperature Effect Sensitivity 0.02% F.S. / 10°C	

FEATURES

- M5-CE
- M5M-OIML/NTEP
- Large capacity up to 1000kg
- Alloy steel or 17-4Ph stainless steel material
- Suitable for crane scales, hopper scales, etc.
- Default cable length is 3m, diameter is 5mm (Optional customized longer cable)
- Interchangeable with below models: HMB* Z6, Mettler Toledo* MTB, Tedeo-Huntleigh* 335, Celtron*HBB, Revere*SHBxR, Zemic* BM11, Flintec* SB8



MODELS

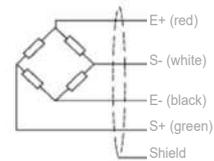
Part No.	120231	120232	120233	120234	120235	120236	120237	120238	120239
M5	10kg	20kg	30kg	50kg	100kg	200kg	300kg	500kg	1000kg
Part No.	120240	120241	120242	120243	120244	120245	120246		
M5M	20kg	30kg	50kg	100kg	200kg	300kg	500kg		
Class	C3								
IP	IP67								



M5

DIMENSION / mm

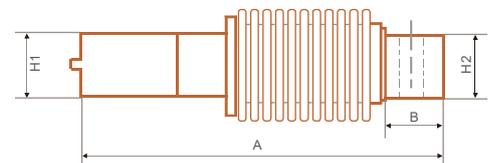
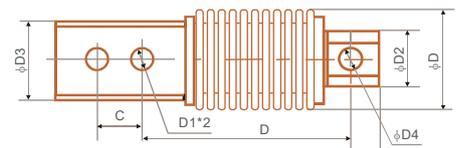
Capacity	A	B	C	D	H1	H2	D	D1	D2	D3	D4	weight/kg
20-200kg	123	19	18	82	20	22	45	8.5	26	35	8.5	0.6
0.3-1t	210	53	40	133	25	34	60	13	36	50	14	0.6



M5M

DIMENSION / mm

Capacity	A	B	C	D	H1	H2	D	D1	D2	D3	D4	weight/kg
20-200kg	120	21.2	18	39	20	20	39	8.2	23	31.75	8.2	0.6
350-500kg	120	21.2	18	39	20	19	39	10.3	24	31.75	10.3	0.6



SPECIFICATIONS

Capacity 10-50t	Sensitivity 2.0±0.01mV/V	Creep (30 Min) ±0.016-0.023% F.S.	Input Resistance 700±10Ω
Material Stainless steel - M36i Alloy steel - M36D	Overload Limitation 150% F.S.	Zero Output ±1.5% Emax	Recommended Excitation 5-12VDC
Protection IP68	Output Resistance 700±5Ω	Temperature Effect Zero ±0.011-0.017% F.S. / 10°C	Operating Temperature -35-70°C
Accuracy C3	Insulation Resistance ≥5000mΩ (100VDC)	Temperature Effect Sensitivity ±0.015-0.023% F.S. / 10°C	

FEATURES

- M36i-OIML
- Large capacity up to 50t
- Analog output Stainless steel M36i
- Digital output alloy steel M36D
(Optional stainless steel material)
- Suitable for weighbridge and other weighing systems
- Interchangeable with below models: HMB* C16A,
Mettler Toledo* 0782(30t) , Revere*ASC | ASC2, Zemic* BM14G, Flintec* RC3



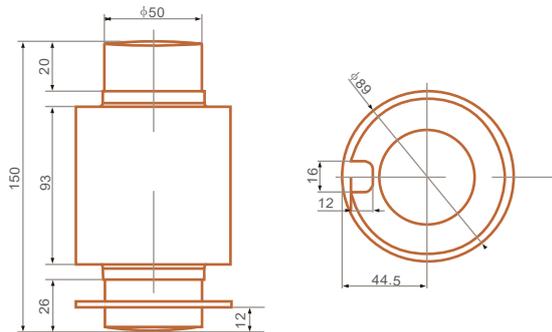
MODELS

Part No.	120247	120248	120249	120250
M36i	20t	30t	40t	50t
Part No.	120251	120252	120253	120254
M36D	10t	20t	30t	40t
Class	C3			
IP	IP68			

M36i

DIMENSION / mm

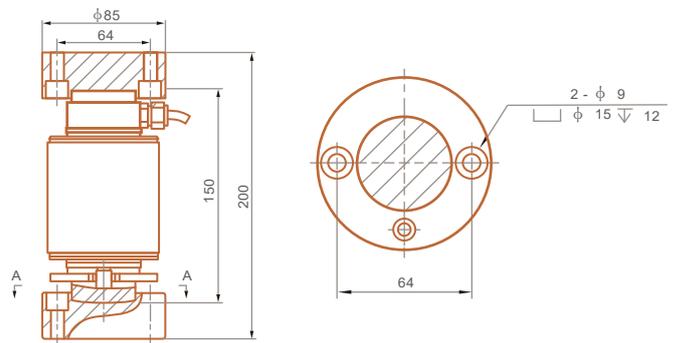
Weight: 7kg



M36D

DIMENSION / mm

Weight: 7kg



SPECIFICATIONS

Capacity 50-60000kg	Sensitivity 2.0±0.001mV/V	Insulation Resistance ≥5000mΩ	Temperature Effect Zero ±0.02% F.S. / 10°C
Material Alloy steel	Overload Limitation 150%F.S.	Input Resistance 775±5Ω	Temperature Effect Sensitivity ±0.02% F.S. / 10°C
Protection IP67/IP68	Creep (30 Min) ±0.02% F.S.	Output Resistance 700±2Ω	Operating Temperature -30-70°C
Accuracy C3	Zero Output ±1% Emax	Recommended Excitation 5-18VDC	

FEATURES

- Large capacity up to 60000kg
- Alloy steel material
- M8T with screw fixing kit
- M8R with ball cup
- Suitable for weighbridge and other weighing systems



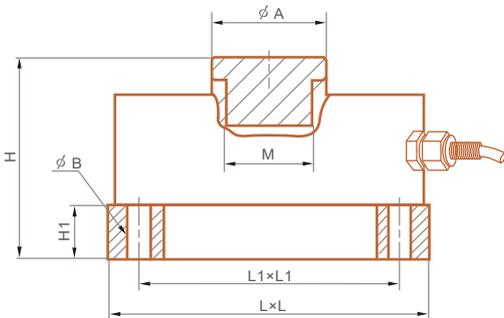
MODELS

Part No.	120255	120256	120257	120258	120259	120260	120261	120262	120263
M8T	500kg	1t	2t	3t	5t	10t	20t	30t	50t
Part No.	120264	120265	120266	120267	120268	120269	120270	120271	120272
M8R	500kg	1t	2t	3t	5t	10t	20t	30t	50t
Class	C3								
IP	IP67/IP68								

M8T

DIMENSION / mm

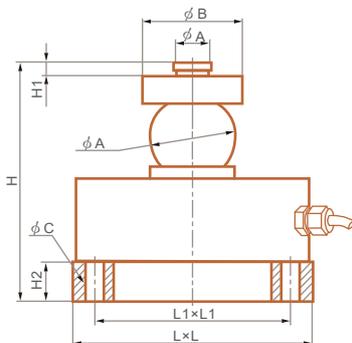
Capacity	H	H1	M	L	L1	φA	φB	weight/kg
0.5-3t	62.8	18	M16x1.5	130	104	32	11	1.5
5-10t	84.8	23	M32x1.5	121	98.8	42	11	2
15-30t	90.2	23	M40x1.5	142	116	51	11	3.7
40-60t	102	23	M32x1.5	180	147	67.5	13	5



M8R

DIMENSION / mm

Capacity	H	H1	H2	L	L1	φA	φB	φC	φD	weight/kg
0.5-3t	90.2	11	18	130	104	20	32	11	25.4	1.5
5-10t	129	8	23	121	98.8	20	49	11	38.1	2
15-30t	143	8	23	142	116	20	59	11	50.8	3.7
40-60t	155	11	23	180	147	30	63	13	50.8	5



SPECIFICATIONS

Capacity 10-40t	Sensitivity 2.0±0.002mV/V	Creep (30 Min) ±0.02% F.S.	Input Resistance 775±5Ω - M9 700±7Ω - M9M
Material Alloy steel	Overload Limitation 150% F.S.	Zero Output ±1% Emax	Recommended Excitation 5-12VDC
Protection IP68	Output Resistance 700±5Ω	Temperature Effect Zero ±0.02% F.S. / 10°C	Operating Temperature -35-65°C
Accuracy C3	Insulation Resistance ≥5000mΩ (100VDC)	Temperature Effect Sensitivity ±0.02% F.S. / 10°C	

FEATURES

- Analog M9 M9M load cell
- Digital M9D load cell
- M9M with OIML approval
- Large capacity up to 40t
- Alloy steel material
- Heavy-duty structure with mounting cup
(Easy to center by itself)
(Easy to install and maintain)
- Suitable for weighbridge, rail scales, etc.
- Default cable length is 12m
(Optional 16m/20m cable)

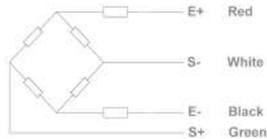
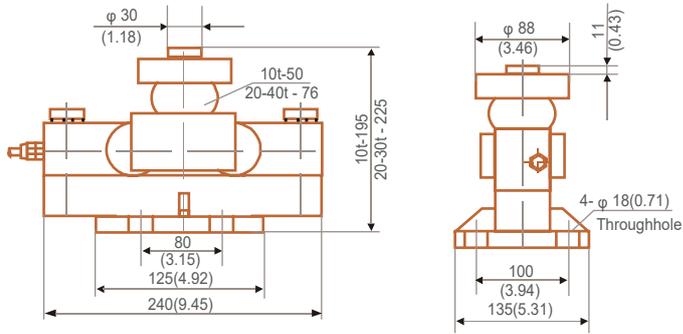


MODELS

Part No.	120273	120274	120275	120276
M9	10t	20t	30t	40t
Part No.	120277	120278	120279	120280
M9D	10t	20t	30t	40t
Part No.	120281	120282	120283	120284
M9M	10t	20t	30t	40t
Class	C3/N5			
IP	IP68			

M9M

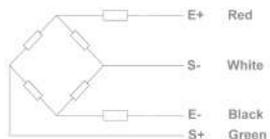
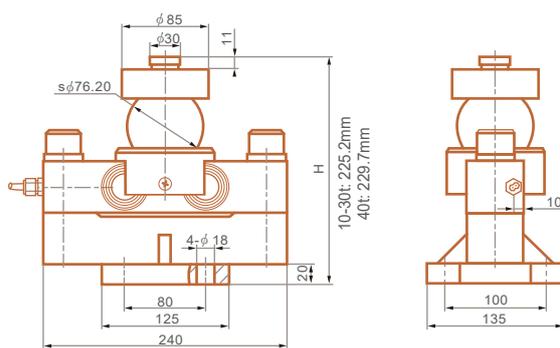
DIMENSION / mm(inch)



Weight: 15kg

M9 M9D

DIMENSION / mm



Weight: 15kg



FT28(S)

- FT28 - Alloy steel | FT28S - Stainless steel & Alloy steel
- FT28 for M28 and M28M
- FT28S for M28S, M28B, M28I and M28D

Part No.	120289	120290	120291	120292	120293	120294
FT28	0.1-2/2.5t	2.5-5t	10t	0.1-5klb	5-10klb	20klb
Part No.	120295	120296	120297	120298	120299	120300
FT28S	0.1-2/2.5t	2.5-5t	10t	0.1-5klb	5-10klb	20klb



M28(S)K

- M28K - Alloy steel | M28SK - Stainless steel
- M28K: Weighing module for M28 and M28M
- M28SK: Weighing module for M28S, M28B, M28I and M28D

Part No.	120301		120302	
M28K	0.1-2.5t(SE)	0.1-5klb(SE)	2.5-5t	5-10klb
Part No.	120303		120304	
M28SK	0.1-2.5t(SE)	0.1-5klb(SE)	2.5-5t	5-10klb



M8K

- M8K - Alloy steel
- Suitable for M8R load cells
- Suitable for weighbridge and weighing systems

Part No.	120305	120306	120307	120308
M8K	0.5-3t	5-10t	15-30t	40-60t



M5K

- M8K - Alloy steel, optional stainless steel
- Suitable for M5 serials load cells

Part No.	120309	120310
M8K	10-200kg	300-1000kg

M*(S)C

- Suitable for M13 | M15 | M17



Part No.	120311	120312	120313
Models	M13	M15C	M17C
For Model	M13(M)	M15(M)	M17(M)



Part No.	120314	120315	120316
Models	M13SC	M15SC	M17SC
For Model	M13(M)	M15(M)	M17(M)
IP	IP67		



M3K

- M3K - Alloy steel
- For M3 serials load cells

Part No.	120217	120218	120219	120220	120221	120222
M3K	M8	M10	M12	M20	M24	M30
Max.	1000kg	1400kg	1700kg	4300kg	6900kg	8900kg



M8K

- Cable4/6 - 4/6+1 shielded cable
- Cable4/6R - 4/6+1 shielded cable with metal mesh outside - anti-rodent

Part No.	120326	120327	120328	120329
Models	Cable4	Cable4R	Cable6	Cable6R
Wires	4+1	4+1	6+1	6+1

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Moo**range**

Load Cell



Moorange

Load Cell

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