

MP 79, MP 79T Stainless Steel Square Beam Load Cell



227 kg ... 5,099 kg

- Full stainless steel construction
- Compatible with other sources
- Hermetically welded seal (IP68, IP69K)
- Matched output
- Approved according to OIML R60
- Ex version available

Applications

- Platform scales
- Tank and hopper scales

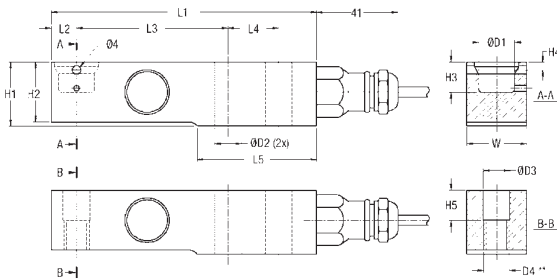
Technical Data		C3MR	
Accuracy class (Combined error)		0,020	% C _n
Maximum capacity	E _{max}	227 454 1,134 2,268 5,099	kg
Maximum usable load	E _u	200	% E _{max}
Destructive load	E _d	≥ 300	% E _{max}
Safe side load	E _{sq}	100	% E _{max}
Maximum number of LC intervals	n _{LC}	3,000	
Minimum LC verification interval v _{min} = E _{max} Y	Y	11,500 11,000 (E _{max} = 5,099 kg)	
Rated output	C _n	2.0	mV/V
Tolerance on rated output	D _c	≤ ± 0.1	% C _n
Zero output signal	S _{min}	≤ ± 5.0	% C _n
Creep. during 30 min.	d _{cr}	≤ ± 0.0166	% C _n
Temperature effect on S _{min}	TK _{Smin}	≤ ± 0.0122 ≤ ± 0.0127 (E _{max} = 5,099 kg)	% C _n / 10 K
Temperature effect on C	TK _C	≤ ± 0.010	% C _n / 10 K
Input impedance	R _{LC}	1,100 ± 50	Ω
Output impedance	R _o	1,000 ± 2	Ω
Insulation impedance (100 V DC)	R _{IS}	≥ 5	GΩ
Recommended supply voltage	B _u	5 ... 15	V
Nominal ambient temperature range	B _T	-10 ... +40	°C
Usable ambient temperature range	B _{Tu}	-40 ... +80	°C

Technical Data

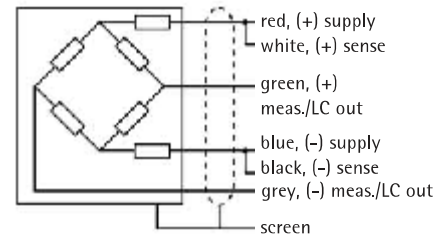
C3MR

Nominal deflection	S_{nom}	0.21 ($E_{max} = 227 \text{ kg}$); 0.24 ($E_{max} = 454 \text{ kg}$); 0.32 ($E_{max} = 1,134 \text{ kg}$); 0.47 ($E_{max} = 2,268 \text{ kg}$); 0.52 ($E_{max} = 5,099 \text{ kg}$)	mm
Cable length		5.0	
Cable type		6 conductor TPE cable (AWG 26) shield grounded	
Sensor material		Stainless Steel 17-4PH (1.4548)	
Protection class (acc. to IEC 529 resp. DIN 40050)		IP68, IP69K	

The technical data given here serve only as a product description and must not be interpreted as guaranteed characteristics in legal sense.



Capacity	L1	L2	L3	L4	L5	H1	H2	H3	H4	H5	W	D1	D2	D3	D4
227 kg; 454 kg	133.4	12.7	76.2	25.4	59.9	31.0	28.8	15.0	4.0	15.0	30.0	18.0	13.0	13.5	M12
1,134 kg; 2,268 kg	133.4	12.7	76.2	25.4	59.9	31.0	30.5	15.0	4.0	15.0	30.0	18.0	13.0	13.5	M12
5,099 kg	190.0	21.0	105	40.0	93.0	49.0	41.0	20.5	8.0	20.5	43.0	25.0	21.0	21.5	M20



Dimensions in mm

Wiring diagram

Order information

Type	Order number	Type	Order number
MP 79/227kgC3MR	9408 279 07120	MP 79T/227kgC3MR	9408 279 17120
MP 79/454kgC3MR	9408 279 07150	MP 79T/454kgC3MR	9408 279 17150
MP 79/1,134kgC3MR	9408 279 07210	MP 79T/1,134kgC3MR	9408 279 17210
MP 79/2,268kgC3MR	9408 279 07220	MP 79T/2,268kgC3MR	9408 279 17220
MP 79/5,099kgC3MR	9408 279 07250	MP 79T/5,099kgC3MR	9408 279 17250
MP 79/227kgC3MRE	9408 679 07120	MP 79T/227kgC3MRE	9408 679 17120
MP 79/454kgC3MRE	9408 679 07150	MP 79T/454kgC3MRE	9408 679 17150
MP 79/1,134kgC3MRE	9408 679 07210	MP 79T/1,134kgC3MRE	9408 679 17210
MP 79/2,268kgC3MRE	9408 679 07220	MP 79T/2,268kgC3MRE	9408 679 17220
MP 79/5,099kgC3MRE	9408 679 07250	MP 79T/5,099kgC3MRE	9408 679 17250

Certificate of conformity

MP 79(T) (optional)

Ex-Zone 2, 22
II 3G Ex nA II T6
II 3D Ex tD A22 IP65 T85°C

MP 79(T)/..E

Ex-Zone 0, 1, 20, 21
II 1G Ex ia IIC T6 | T5 Ga
II 1D Ex ia IIIC IP67 T100°C Da