



MP 70 Low Profile Single Point Load Cell



5kg ... 40kg

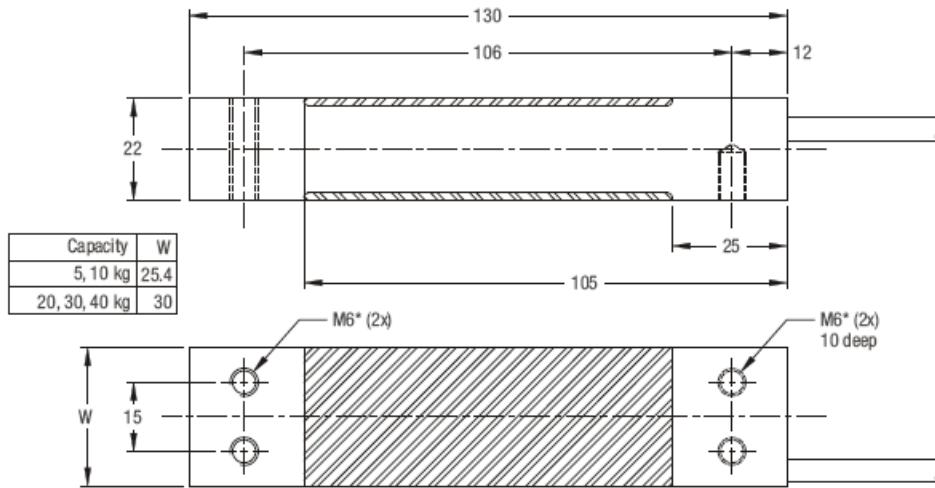
- Aluminium alloy construction
- Compatible with other sources
- Low profile type
- Single Point 350mm x 350mm platform
- Approved according to OIML R60

Applications

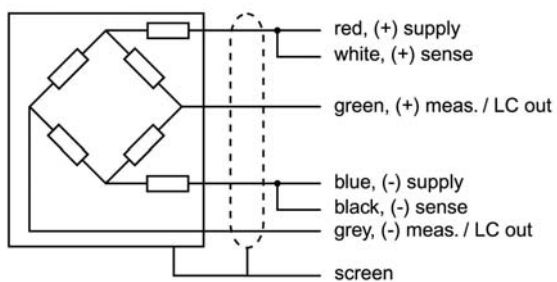
- Bench Scales
- Counting Scales
- Check Weighing Systems

Technical Data		C3MR	
Accuracy class (Combined error)		0.02	% C _n
Maximum capacity	E _{max}	5 / 10 / 20 / 30 / 40	kg
Maximum usable load	E _u	150	% E _{max}
Destructive load	E _d	≥ 300	% E _{max}
Safe side load	E _{lq}	100	% E _{max}
Maximum number of LC intervals	n _{LC}	3,000	
Minimum LC verification interval v _{min} = E _{max} / Y	Y	12,000	
Rated output	C _n	2.0	mV/V
Tolerance on rated output	D _c	≤ ± 10	% C _n
Zero output signal	S _{min}	≤ ± 5	% C _n
Creep, during 30 min.	d _{cr}	≤ ± 0.016	% C _n
Temperature effect on S _{min}	TK _{Smin}	≤ ± 0.0115	% C _n / 10K
Temperature effect on C	TK _C	≤ ± 0.01	% C _n / 10K
Input impedance	R _{LC}	413 ± 20	Ω
Output impedance	R ₀	350 ± 25	Ω
Insulation impedance (100V 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}	- 20 ... + 65	°C
Nominal deflection	S _{nom}	0.80 (E _{max} =5kg); 0.60 (E _{max} =10kg); 0.41 (E _{max} =20kg); 0.43 (E _{max} =30kg); 0.43 (E _{max} =40kg)	mm
Cable length		0.5 (other lengths optional)	m
Cable type		6 conductor TPE cable (AWG 26), shield grounded (optional: shield floating)	
Sensor material		Aluminium	
Protection class (acc. to IEC 529)		IP67	

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



Dimensions in mm



Wiring diagram

Type	Order Number
MP 70/ 5 kg C3MR	9408 270 07005
MP 70/ 10 kg C3MR	9408 270 07010
MP 70/ 20 kg C3MR	9408 270 07020
MP 70/ 30 kg C3MR	9408 270 07030
MP 70/ 40kg C3MR	9408 270 07040

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