

Low Profile Single Point Load Cell MP 70



5 kg ... 40 kg

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

Applications

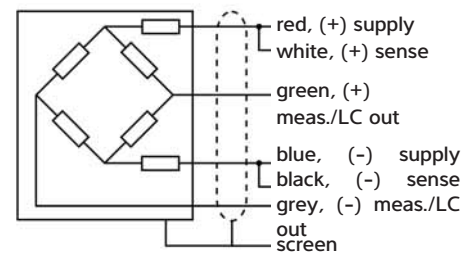
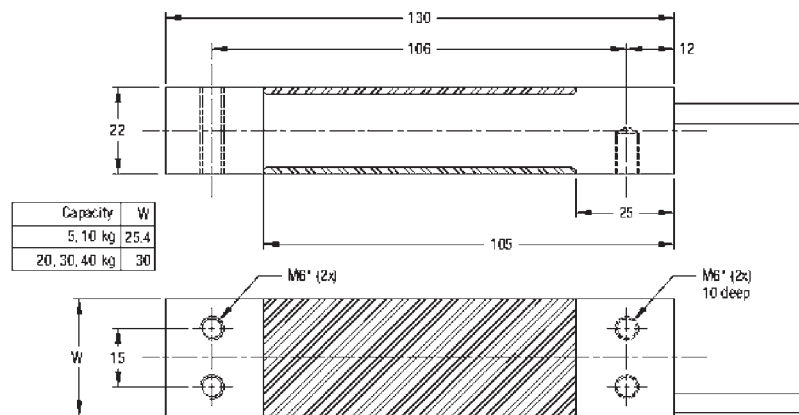
- Bench Scales
- Counting Scales
- Check Weighing Systems

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	≥ 30	% 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		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 / 10 K
Temperature effect on C	TK _C	< ± 0.01	% C _n / 10 K
Input impedance	R _{LC}	413 ± 20	Ω
Output impedance	R _O	350 ± 25	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}	-20 ... +65	°C

Technical Data**C3MR**

Nominal deflection	S_{nom}	0.80 ($E_{max} = 5$ kg); 0.60 ($E_{max} = 10$ kg); 0.41 ($E_{max} = 20$ kg); 0.43 ($E_{max} = 30$ kg); 0.43 ($E_{max} = 40$ kg)	mm
Cable length		0.5	m
Cable type		6 conductor TPE cable (AWG 26), shield grounded	
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 70/5kgC3MR	9408 270 07005
MP 70/10kgC3MR	9408 270 07010
MP 70/20kgC3MR	9408 270 07020
MP 70/30kgC3MR	9408 270 07030
MP 70/40kgC3MR	9408 270 07040

Certificate of conformity**MP 70 (optional)**

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