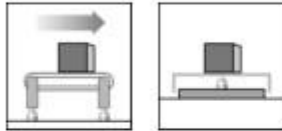


- PW10C3MR

PW10A...

Single point load cells



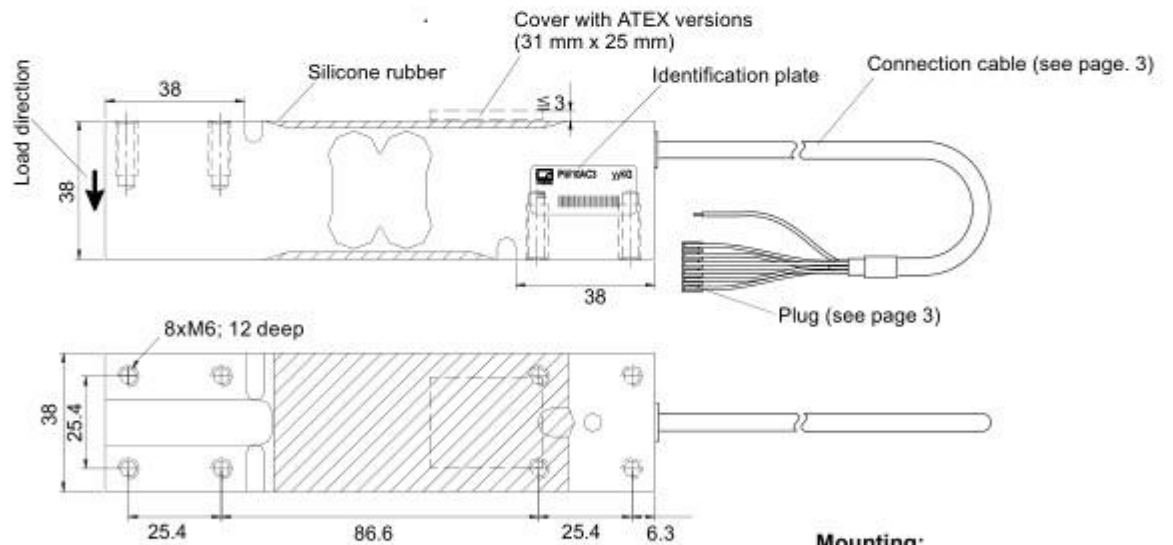
Special features

- OIML-R60 approval
- Max. capacities: 50 kg ... 300 kg
- Off center load compensated (OIML R76)
- Meets EMC standards (EN 45 501)
- Shielded connection cable
- 6-wire circuit

Optional:

- Reduced minimum LC verification interval (v_{min}) for multi range applications
- Explosion proof versions
- different cable lengths
- Aligned output, suitable for connection in parallel

Dimensions (in mm; 1 mm = 0.03937 inches)



Mounting:
Socket head cap screws M6-10.9
Tightening torque: 14 N·m

Specifications

Type	PW10A...						
Accuracy class ¹⁾	C3, C3MR						
Number of load cell intervals (n_{LC})	3000						
Maximum capacity (E_{max})	kg	50	100	150	200	250	300
Minimum LC verification interval (v_{min}), (Accuracy class C3)	g	10	20	20	50	50	50
Temperature effect on zero balance (TK_0), (Accuracy class C3)	% of C_n / 10 K	±0.0280	±0.0280	±0.0186	±0.0350	±0.0280	±0.0233
Minimum LC verification interval (v_{min}), (Accuracy class C3MR)	g	5	10	10	20	20	20
Temperature effect on zero balance (TK_0), (Accuracy class C3MR)	% of C_n / 10 K	±0.0140	±0.0140	±0.0093	±0.0140	±0.0112	±0.0093
Max. platform size	mm	600 x 500					
Sensitivity (C_n) ²⁾	mV/V	2.0 ± 0.2 (Option 6: A = 2 mV/V ± 0.1 %)					
Zero balance		0 ± 0.1					
Temperature effect on sensitivity (TK_C) ³⁾	% of C_n / 10 K	±0.0175 ±0.0117					
Temperature range: +20 ... +40 °C [+70 ... +105 °F] -10 ... +20 °C [+15 ... +70 °F]							
Hysteresis error (d_{hy}) ³⁾		±0.0166					
Non-linearity (d_{lin}) ³⁾		±0.0166					
Minimum dead load output return (DR)		±0.0166					
Off center load error ⁴⁾		±0.0233					
Input resistance (R_{LC})		300 ... 500					
Output resistance (R_0)	Ω	330 ... 430 (Option 6: A = 410 Ω ± 0.2 Ω)					
Reference excitation voltage (U_{ref})		5					
Nominal range of excitation voltage (B_U)	V	0 ... 12					
Max. excitation voltage		15					
Insulation resistance (R_{is}) at 100 V _{DC}	GΩ	> 2					
Nominal temperature range (B_T)		-10 ... +40 [+14 ... +104]					
Service temperature range (B_{ts})	°C	-10 ... +50 [+14 ... +122]					
Storage temperature range (B_{st})	[°F]	-25 ... +70 [-13 ... +158]					
Safe load limit (E_L)	% of E_{max}	150					
at max. eccentricity	mm	150					
Lateral load limit (E_{sq}), static	%	300					
Breaking load (E_d)	of E_{max}	300					
Deflection at E_{max} (s_{nom}), approx.		<0,5					
Weight (G), approx.		0,6					
Protection class accord. to EN 60 529 (IEC 529)		IP67					
Material: Measuring element		Aluminum					
Coating		Silicone rubber					
Cable sheath		PVC					

¹⁾ In accordance to OIML-R60 with $P_{LC} = 0.7$

²⁾ Max. eccentric load according to OIML R76

³⁾ The sum of data for Non-linearity, Hysteresis error and TC Span meets the requirements of OIML R60.

⁴⁾ Eccentric error according to OIML R76 class.

