

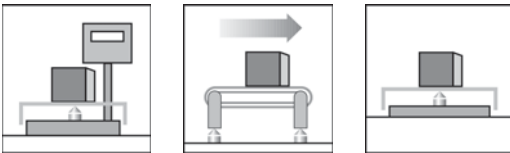
PW4MC3...

Single point load cells

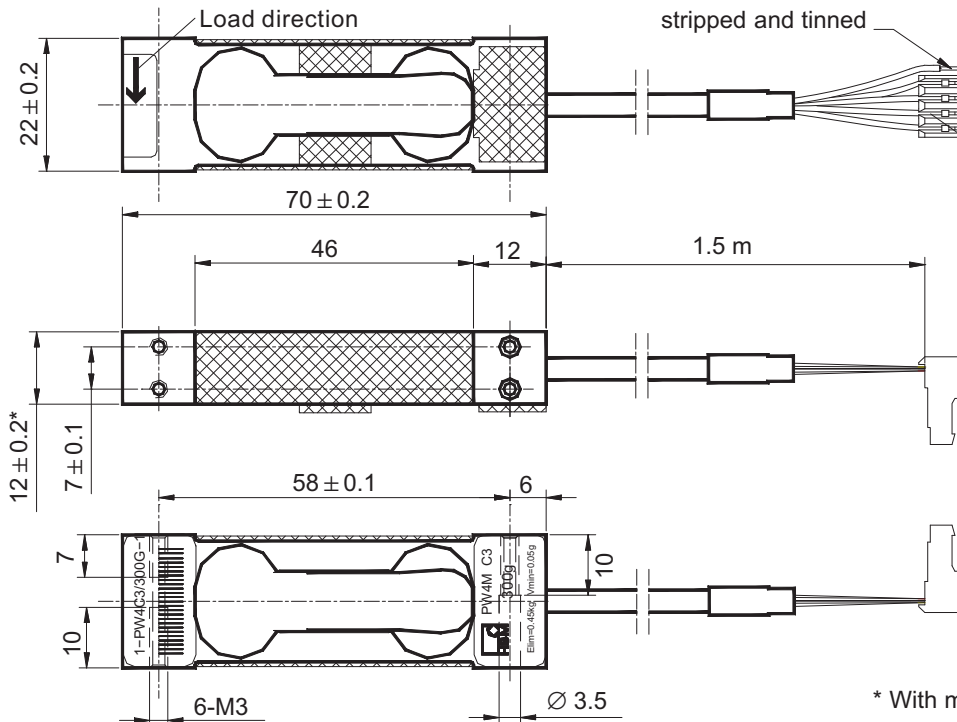


Special features

- For determining small masses
- Small size
- Accuracy class C3 with OIML-R60 test report
- Off center load compensated
- Degree of protection IP65 according to IEC 529
- Shielded connection cable



Dimensions (in mm; 1 mm= 0.03937 inches)



Plug: CE 100F26-4 (Pancon)

Wiring code (4-core)

Pin1: Excitation (+) blue
 Pin2: Signal (+) white
 Pin3: Signal (-) red
 Pin4: Excitation (-) black
 Shield yellow
 (connected to load cell body)

Mounting:

Cylindrical head screws: M3 - 8.8
 Tightening torque: 1.3 N·m

* With max. capacities 2 kg and 3 kg: 15 ± 0.2

Specifications

Type	PW4MC3...								
Order-No.	1-PW4C3/300G-1	1-PW4C3/500G-1	1-PW4C3/2KG-1	1-PW4C3/3KG-1					
Accuracy class ¹⁾	C3								
Maximum number of load cell intervals (n_{LC})	3000								
Maximum capacity ²⁾ (E_{max})	g/kg	300	500	2	3				
Minimum LC verification interval (v_{min})	g	0.05	0.1	0.2	0.5				
Temperature effect on zero balance (TK_0)	% of C_n / 10 K	0.0233	0.0280	0.0140	0.0233				
Max. platform size	mm	200 x 200							
Sensitivity (C_n)	mV/V	1.0 ± 0.1		2.0 ± 0.2					
Zero signal		0 ± 0.1							
Temperat. effect on sensitivity (TK_C) ³⁾	% of C_n / 10 K								
Temperature range: +20 ... +40 °C [68...104 °F]						± 0.0175			
-10 ... +20 °C [14...68 °F]						± 0.0117			
Hysteresis error (d_{hy}) ³⁾	% of C_n	± 0.0150							
Non-linearity (d_{lin}) ³⁾		± 0.0150							
Minimum dead load output return (MDLOR)		± 0.0245							
Off center load error ⁴⁾		± 0.0233							
Input resistance (R_{LC})	Ω	380 ± 38							
Output resistance (R_0)		380 ± 38							
Reference excitation voltage (U_{ref})	V	5							
Nominal range of excitation voltage (B_U)		1 ... 8							
Insulation resistance (R_{is}) at 100 V _{DC}		GΩ							
Nominal temperature range (B_T)	°C [°F]	-10 ... +40 [+14...+104]							
Operating temperature range (B_{tu})		-10 ... +50 [+14...+122]							
Storage temperature range (B_{tl})		-25 ... +70 [-13...+158]							
Limit load (E_L) [*]	% of E_{max}	150							
[*]) at max. eccentricity	mm	100							
Lateral load limit (E_{lq}), static	%	200							
Breaking load (E_d)	of E_{max}	> 300							
Deflection at E_{max} (s_{nom}), approx.	mm	< 0.4							
Weight, without cable (G), approx.	kg	0.07							
Degree of protection according to IEC529		IP65							
Material: Measuring element Coating Cable sheath		Aluminum Silicone rubber PVC							

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

2) Max. eccentric load according to OIML R76

3) The data for Non-linearity (d_{lin}), Hysteresis error (d_{hy}) and Temperature effect on sensitivity (TK_C) are typical values. The sum of these data meets the requirements according to OIML R60.

4) According to OIML R76

Regional Distributor



803, Riqqa Palace Building
Al-Maktum Ave.
P.O.Box 181802 Dubai, UAE
Tel: +9714 - 2270081
Fax: +9714 - 2239962
E-mail: rcsco@eim.ae
www.rcs-co.com

Hottinger Baldwin Messtechnik GmbH

Im Tiefen See 45, D-64293 Darmstadt, Germany
Tel.: +49 6151 8030; Fax: +49 6151 803 9100
E-mail: support@hbm.com www.hbm.com



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