

# PW4M...

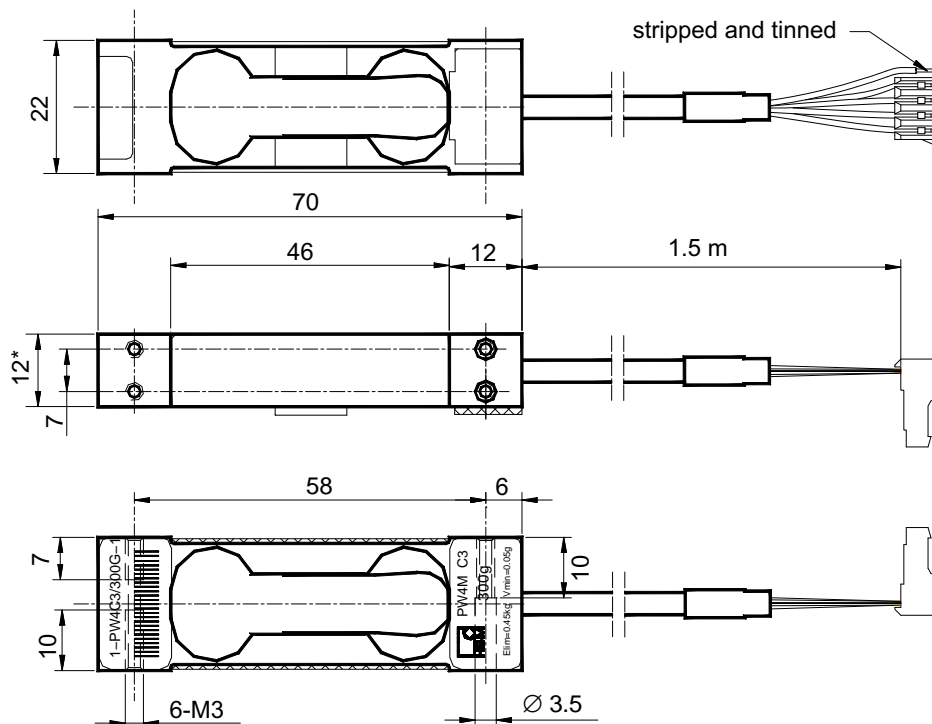
## Single point load cells

### Special features

- For determining small masses (0.3 kg ... 3 kg)
- Aluminum
- Off center load compensated
- 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

# Specifications

Type			PW4MC3...			
Order-No.			1-PW4C3/300G-1	1-PW4C3/500G-1	1-PW4C3/2KG-1	1-PW4C3/3KG-1
Accuracy class <sup>1)</sup>			C3			
Maximum number of load cell intervals	$n_{LC}$		3000			
Maximum capacity <sup>2)</sup>	$E_{max}$	kg	0.300	0.500	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
Ratio of minimum verification interval	$\gamma$		6000	5000	10000	6000
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			
Temperature effect on sensitivity <sup>3)</sup>	$TK_C$	% of. $C_n$ / 10 K	± 0.0175 ± 0.0117			
Temperature range: +20 ... +40 °C [68...104 °F] -10 ... +20 °C [14...68 °F]						
Hysteresis error <sup>3)</sup>	$d_{hy}$	% of $C_n$	± 0.0150			
Non-linearity <sup>3)</sup>	$d_{lin}$		± 0.0150			
Minimum dead load output return	DR		± 0.0166			
Off center load error <sup>4)</sup>			± 0.0233			
Input resistance	$R_{LC}$	$\Omega$	300 ... 500			
Output resistance	$R_0$		300 ... 500			
Reference excitation voltage	$U_{ref}$	V	5			
Nominal range of excitation voltage	$B_U$		1 ... 8			
Max. excitation voltage		V	10			
Insulation resistance at 100 $V_{DC}$	$R_{is}$	$G\Omega$	> 2			
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 <sup>4)</sup> at max. eccentricity	$E_L$	% of $E_{max}$	150			
		mm	100			
Lateral load limit, static	$E_{lq}$	% of $E_{max}$	200			
Breaking load	$E_d$		> 300			
Deflection at $E_{max}$ , approx.	$s_{nom}$	mm	< 0.4			
Weight, without cable, approx.	$m$	kg	0.07			
Degree of protection <sup>5)</sup>			IP65			
Material:	Measuring body 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

5) According to IEC529

Subject to modifications.

All product descriptions are for general information only. They are not to be understood as a guarantee of quality or durability.

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