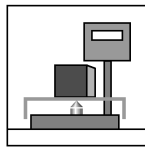
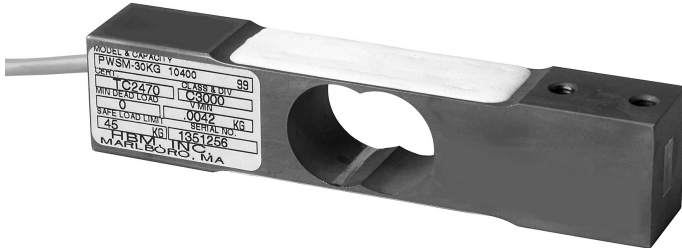


# PWS-2 / PWSC3

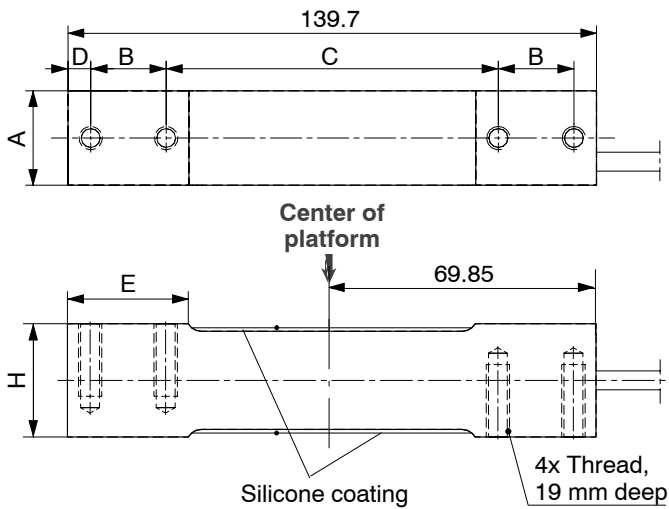
## Single point load cells

### Special features

- Stainless steel
- Max. Capacities: 7 kg...300 kg
- Accuracy class 0.07 % or NMI-OIML R60 approval
- Off center load compensated (OIML R76)
- Protection class IP65 (according to EN 60 529)



### Dimensions (in mm; 1 mm= 0.03937 inches)



#### Cable:

Shielded 4 core round cable with PVC-sheath, 3 m long, free ends

#### Wiring code:

Excitation (+)	green
Excitation (-)	black
Signal (-)	red
Signal (+)	white
Shield	yellow

#### Material:

Stainless steel

Nominal load	A	B	C	D (typ.)	E (typ.)	H	Thread	Mounting	
								Socket-head cap screw	Tightening torque
7 kg / 10 kg / 15 kg	19	19	88.9	6.4	31.8	30.2	M6	M6-8.8	10 N·m
30 kg / 60 kg	23.9	19	88.9	6.4	31.8	30.2	M6	M6-8.8	10 N·m
100 kg / 150 kg	30.5	22.4	79.3	7.9	38.1	30.2	M10	M10-10.9	70 N·m
300 kg	36.5	22.4	79.3	7.9	38.1	36.5	M10	M10-10.9	70 N·m

# Specifications

Type	PWS-2										PWSC3								
Accuracy class	0.07										C3 <sup>1)</sup>								
Max. number of load cell verification intervals (n <sub>LC</sub> )	-										3000								
Maximum capacity (E <sub>max</sub> )	kg	7	10	15	30	60	100	150	300	-	-	15	30	60	100	150	-		
Min. load cell verification interval (v <sub>min</sub> )	g	-										-	-	5	10	20	20	50	-
Maximum platform size	mm	300x300			450x450			600x600				300x300		450x450		600x600			
Sensitivity (C <sub>n</sub> )	mV/V	2.0 ± 0.2										2.0 ± 0.2							
Zero balance	mV/V	0 ± 0.1										0 ± 0.1							
Temperature effect on zero balance (TK <sub>0</sub> )	% of C <sub>n</sub> / 10 K	± 0.0662										± 0.0195							
Temperature effect on sensitivity (TK <sub>C</sub> ) <sup>2)</sup> Temperature range: +20 ... +40 °C [+70 ... +105 °F] -10 ... +20 °C [+15 ... +70 °F]	% of C <sub>n</sub> / 10 K	± 0.0662 ± 0.0662										± 0.0175 ± 0.0117							
Hysteresis error (d <sub>hy</sub> ) <sup>2)</sup>	% of C <sub>n</sub>	± 0.0300										± 0.0170							
Non-linearity (d <sub>lin</sub> ) <sup>2)</sup>	% of C <sub>n</sub>	± 0.0300										± 0.0170							
Creep (d <sub>cr</sub> ) over 30 min.	% of C <sub>n</sub>	± 0.0350										± 0.0245							
Off center load error	%	± 0.0050 <sup>3)</sup>										± 0.0233 <sup>4)</sup>							
Input resistance (R <sub>LC</sub> ), (min)	Ω	350										350							
Output resistance (R <sub>0</sub> )	Ω	350 ± 3										350 ± 3							
Reference excitation voltage (U <sub>ref</sub> )	V	5										5							
Nominal range of excitation volt. (B <sub>U</sub> )	V	1 ... 15										1 ... 15							
Insulation resistance (R <sub>is</sub> )	GΩ	> 5										> 5							
Nominal temperature range (B <sub>T</sub> )	°C [°F]	-10 ... +40 [+15 ... +105 °F]										-10 ... +40 [+15 ... +105 °F]							
Service temperature range (B <sub>tu</sub> )	°C [°F]	-10 ... +50 [+15 ... +125 °F]										-10 ... +50 [+15 ... +125 °F]							
Storage temperature range (B <sub>tl</sub> )	°C [°F]	-25 ... +70 [-15 ... +160 °F]										-25 ... +70 [-15 ... +160 °F]							
Safe load limit (E <sub>L</sub> ) at max. eccentricity	% of E <sub>max</sub> mm	100	150	200							100	150	200						
Lateral load limit (E <sub>lq</sub> ), static	% of E <sub>max</sub>	300										300							
Breaking load (E <sub>d</sub> )	% of E <sub>max</sub>	300										300							
Deflection at E <sub>max</sub> (s <sub>nom</sub> ), approx.	mm	< 0.4										< 0.4							
Weight (G), approx.	kg	0.5	0.7	0.9	1.2						0.5	0.7	0.9	-					
Protection class according to EN60529 (IEC529)		IP65										IP65							
Material: Measuring element Coating		Stainless steel Silicone rubber										Stainless steel Silicone rubber							

<sup>1)</sup> According to OIML R60 with P<sub>LC</sub> = 0.7

<sup>2)</sup> The data for Non-linearity (d<sub>lin</sub>), Hysteresis error (d<sub>hy</sub>) and Temperature effect on sensitivity (TK<sub>C</sub>) are typical values. The sum of these data meets the requirements according to OIML R60.

<sup>3)</sup> Refers to the applied load per cm eccentricity.

<sup>4)</sup> Refers to the scale capacity (Max) for 3000 d.

The tolerance value corresponds to 70 % of the permissible scale error according to OIML R76, Class III.

## Option (on request):

Ex-Approvals

Modifications reserved.

All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever.

**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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