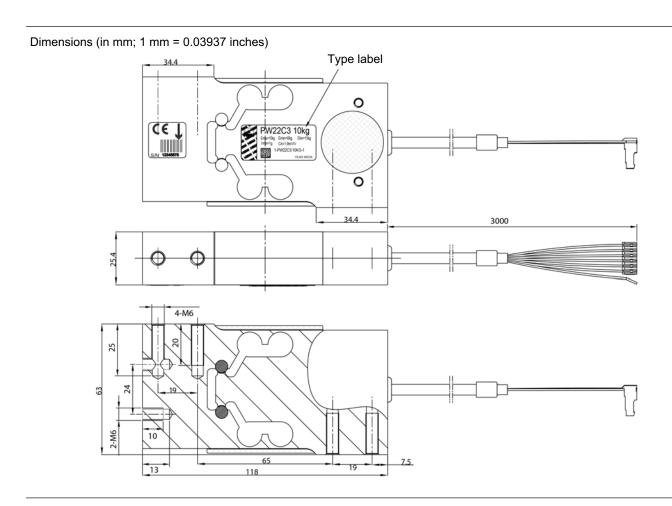


# PW22...

## Single point load cells

## **Special features**

- Maximum capacities: 6 kg ... 30 kg
- Aluminum
- High ratio of minimum verification interval Y
- Integrated overload protection (Patent pending)
- Optimized for dynamic weighing applications
- Protection housing and other options deliverable



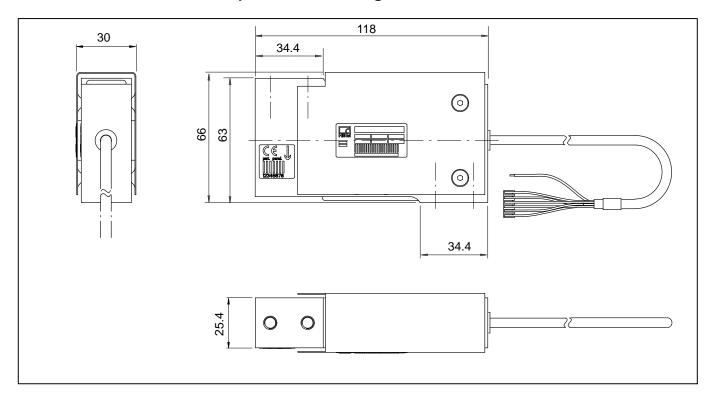


## **Specifications**

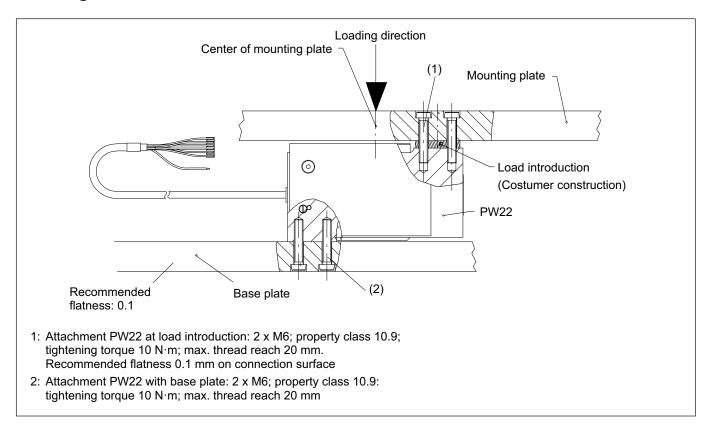
Туре				PW2	22	
Accuracy class 1)				C3 Multi Ra	ange (MR)	
Maximum number of load cell intervals	$n_{LC}$			30	00	
Maximum capacity	E <sub>max</sub>	kg	6	10	20	30
Minimum LC verification interval	V <sub>min</sub>	g	0.5	1	2	2
Max. platform size		mm		400 x	400	
Sensitivity	C <sub>n</sub>			1.9 =	± 0.1	
Zero signal (without pre load)		mV/V		0 ±	0.1	
Temperature effect on zero balance	TK <sub>0</sub>	% of C <sub>n</sub> / 10 K	±0.0117	±0.0140	±0.0140	±0.0093
Ratio of minimum verifaction interval	Υ		12,000	10,000	10,000	15,000
Temperature effect on sensitivity <sup>2)</sup> in the temperature range +20 +40 °C -10 +20 °C	TK <sub>c</sub>	% of C <sub>n</sub> / 10 K		± 0.0 ± 0.0		
Relative reversibility error <sup>2)</sup>	d <sub>hy</sub>			±0.0	)166	
Linearity deviation <sup>2)</sup>	d <sub>lin</sub>			±0.0	)166	
Ratio of minimum dead load output return	DR	% of C <sub>n</sub>		±0.0	)166	
Off-center load error <sup>3)</sup>				± 0.0	)233	
Input resistance	R <sub>LC</sub>	Ω		300	.500	
Output resistance	$R_0$			300	.500	
Reference excitation voltage	U <sub>ref</sub>	V		5	5	
Nominal range of excitation voltage	B <sub>U</sub>	V		1	12	
Max. excitation voltage		V		1:	5	
Isolation resistance at 100 V <sub>DC</sub>	R <sub>is</sub>	GΩ		>	2	
Nominal (rated) range of ambient temperature	B <sub>T</sub>	00 (05)		-10 +40	[14 104]	
Operating temperature range	B <sub>tu</sub>	°C [°F]		-10 +50	[14 122]	
Storage temperature range	B <sub>tl</sub>			-25 +70 [	-13 158]	
Limit load at 120 mm eccentricity	EL			15	50	
Lateral load limit, static	E <sub>lq</sub>	% of		> 3	00	
Permissible dyn. load; with max. 50 mm eccentricity	F <sub>srel</sub>	E <sub>max</sub>		7	0	
Breaking load at 20 mm eccentricity	E <sub>d</sub>			50	00	
Nominal (rated) displacement at E <sub>max</sub> , approx.	s <sub>nom</sub>	mm		< (	).2	
Resonance frequency, without load, approx.		Hz	280	380	540	660
Weight, approx.	G	kg		0.	5	
Degree of protection <sup>4)</sup>				IP	67	
Material: Measuring body				Alum	inum	
Application protection				Silicone		
Cable sheath				PV	′C	

According to OIMLR60 with P<sub>LC</sub> = 0.7
 The values for linearity deviation (d<sub>lin</sub>), relative reversibility error (d<sub>hy</sub>) and temperature effect on sensitivity (TK<sub>C</sub>) are recommended values. The sum of these values remain within the cumulated error limit acc. to OIML R60.
 Loaded with 30 % of the max. capacity at 142 mm eccentricity (acc. to OIML R76).
 According to EN 60 529 (IEC 529)

## Dimensions for version with protection housing

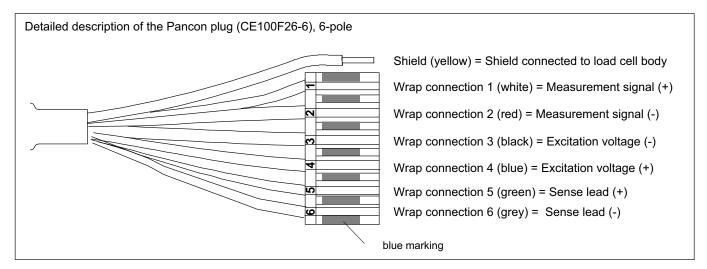


## **Mounting hints**



#### Wiring code

Connection wirh 6 wire cable (selectable cable length: 1.5 m; 3 m; 6 m)

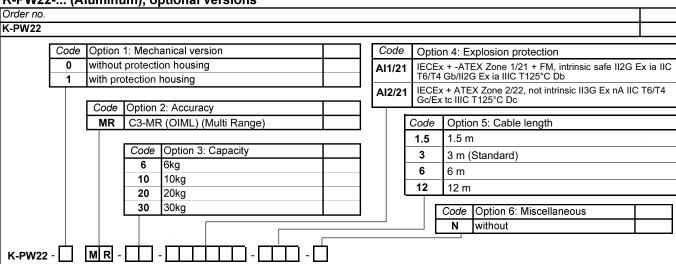


#### **Ordering codes**

#### PW22... (Aluminum)

Туре	PW22	
Accuracy	C3-MR (OIML) (Multi Range)	
Note	Cable length 3m (6 wire)	
Capacity	Order no.	
6kg	1-PW22C3/6KG-1	
10kg	1-PW22C3/10KG-1	
20kg	1-PW22C3/20KG-1	
30kg	1-PW22C3/30KG-1	

#### K-PW22-... (Aluminum), optional versions



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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