

제품 소개

- PC12 는 동적 계량 어플리케이션에 최적화된 Stainless Steel 재질의 로드셀 입니다.
- 견고하고 내구성 있는 설계로 높은 계량 정확도를 제공 합니다.
- 완전 용접 구조로 밀봉 되었으며 고속 중량 선별기와 같은 동적 계량에서 높은 정확도의 계량 결과를 제공하도록 설계된 완전히 중심에서 벗어난 하중 로드셀 입니다.

특징 Feature

- Stainless Steel 구조 / 완전 용접 구조 밀봉
- 동적 계량 / 높은 정확도
- EN 60 529에 따른 보호 : IP68(up to 2m 물 깊이) / 69K
- 플랫폼 규격 600 x 600mm
- 로드셀 케이블 : 폴리 우레탄 3m x 5mm

specifications

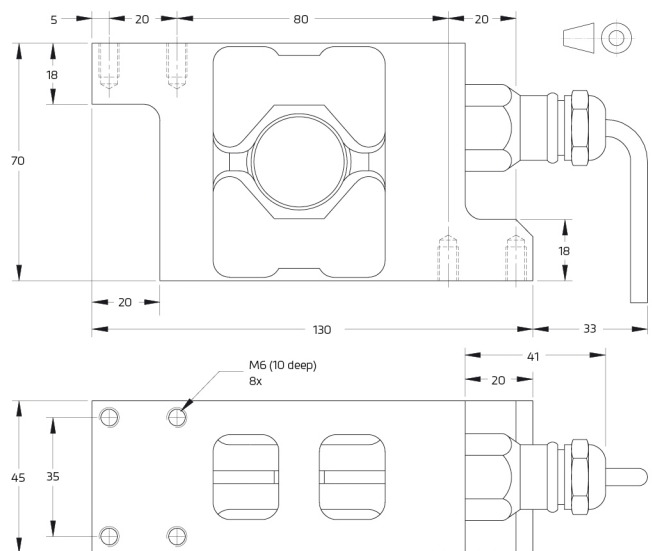
Maximum capacity (E_{max})	kg	20	
Accuracy class according to OIML R60		(GP)	G3*
Maximum number of verification intervals (n_{LC})		n.a.	3,000
Minimum load cell verification interval (v_{min})		n.a.	$E_{max} / 20,000$
Temperature effect on minimum dead load output (TC_0)	%*RO/10°C	± 0.0400	± 0.0070
Temperature effect on sensitivity (TC_{80})	%*RO/10°C	± 0.0200	± 0.0100
Combined error	%*RO	± 0.0500	± 0.0200
Non-linearity	%*RO	± 0.0400	± 0.0166
Hysteresis	%*RO	± 0.0400	± 0.0166
Creep error (30 minutes) / DR	%*RO	± 0.0600	± 0.0166
Rated Output (RO)	mV/V	2 ± 5%	
Zero balance	%*RO	± 5	
Excitation voltage	V	5..15	
Input resistance (R_{LC})	Ω	1,100 ± 50	
Output resistance (R_{out})	Ω	960 ± 50	
Insulation resistance (100 V DC)	MΩ	≥ 5,000	
Safe load limit (E_{lim})	%* E_{max}	200	
Ultimate load	%* E_{max}	300	
Safe side load	%* E_{max}	100	
Maximum platform size; loading acc. to OIML R76	mm	600 x 600	
Maximum off centre distance at maximum capacity	mm	200	
Compensated temperature range	°C	-10...+40	
Operating temperature range	°C	-40...+80 (ATEX -40...+60)	
Load cell material		stainless steel 17-4 PH (1.4548)	
Sealing		complete hermetic sealing; cable entry sealed by glass to metal header	
Protection according EN 60 529		IP68 (up to 2 m water depth) / IP69K	
Packet weight	kg	1.6	

* corresponds to C3 quality, test certificate not available

The limits for Non-Linearity, Hysteresis, and TC_{80} are typical values.

The sum of Non-linearity, Hysteresis and TC_{80} meets the requirements according to OIML R60 with $pLC=0.7$.

product dimensions (mm)



Mounting bolts M6 8.8; torque 10 Nm. Torque value assumes oiled threads.

wiring

The load cell is provided with a shielded, 6 conductor cable (AWG 26).

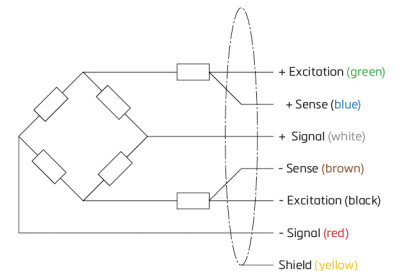
Cable jacket: polyurethane

Cable length: 3 m

Cable diameter: 5 mm

The shield is floating

On request the shield can be connected to the load cell body



RoHS compliant

