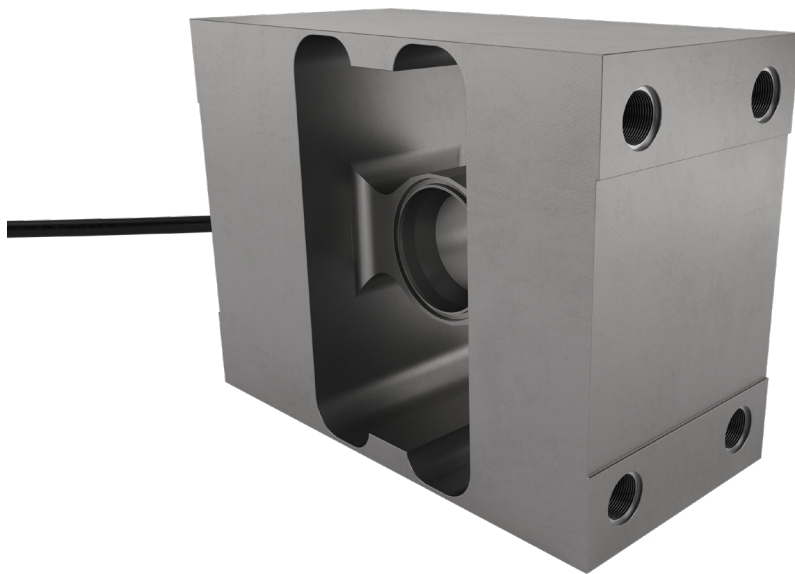


PC2 single point load cell



product description

일반 산업용 계량 장비에 사용되는 엔드 마운트형 단일 지점 로드셀입니다. 완전 밀폐형 스테인리스 스틸 구조의 PC2는 편심 하중 조정 기능을 통해 동적 및 정적 장비 모두에서 높은 정확도의 계량 결과를 제공합니다. 최대 1m²에 달하는 대형 단일 로드셀 플랫폼 및 저용량 호퍼 시스템에 이상적입니다.

applications

대형 벤치형 및 플랫폼형 저울, 중량 검사기, 용기 및 호퍼 계량 애플리케이션

key features

Stainless steel construction

Capacities of 20kg and 150kg

Hermetically sealed to IP68

Suitable for wall mounting

For platforms sizes of up to 1,000 x 1,000mm

High input resistance

approvals

ATEX hazardous area approval for zones 0, 1, 2, 20, 21 and 22

FM hazardous area approval

accessories

Compatible range of electronics



RoHS
compliant



specifications

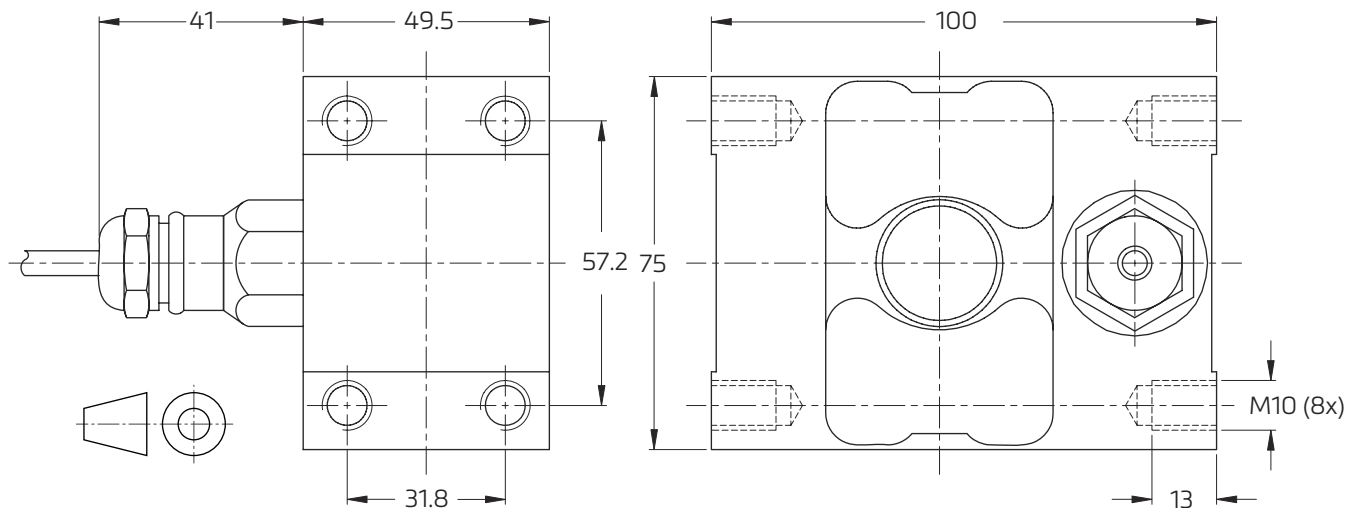
Maximum capacity ($E_{\max}$)	kg	20 / 150	
Accuracy class according to OIML R60		(GP)	G3*
Maximum number of verification intervals (n_{LC})		n.a.	3,000
Minimum load cell verification interval ($v_{\min}$)		n.a.	$E_{\max} / 10,000$
Temperature effect on minimum dead load output (TC_0)	%*RO/10°C	± 0.0400	± 0.0140
Temperature effect on sensitivity (TC_{RO})	%*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)	%*RO	± 0.0600	± 0.0166
Rated Output (RO)	mV/V	$2 \pm 5\%$	
Zero balance	%*RO	± 5	
Excitation voltage	V	5...15	
Input resistance (100 V DC) (R_{LC})	Ω	$1,100 \pm 50$	
Output resistance (R_{out})	Ω	960 ± 50	
Insulation resistance	M Ω	$\geq 5,000$	
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 for 20 kg / 1,000 x 1,000 for 150 kg	
Maximum off centre distance at maximum capacity	mm	250 for 20 kg / 400 for 150 kg	
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 a glass to metal header	
Protection according EN 60 529		IP68 (up to 2 m water depth) / IP69K	
Packet weight	kg	1.8 (20kg), 2.0 (150kg)	

* corresponds to C3 quality, test certificate not available

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

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

product dimensions (mm)



장착 볼트 M10 8.8; 토크 50 Nm. 토크 값은 나사산에 오일이 도포된 상태를 기준으로 합니다

wiring

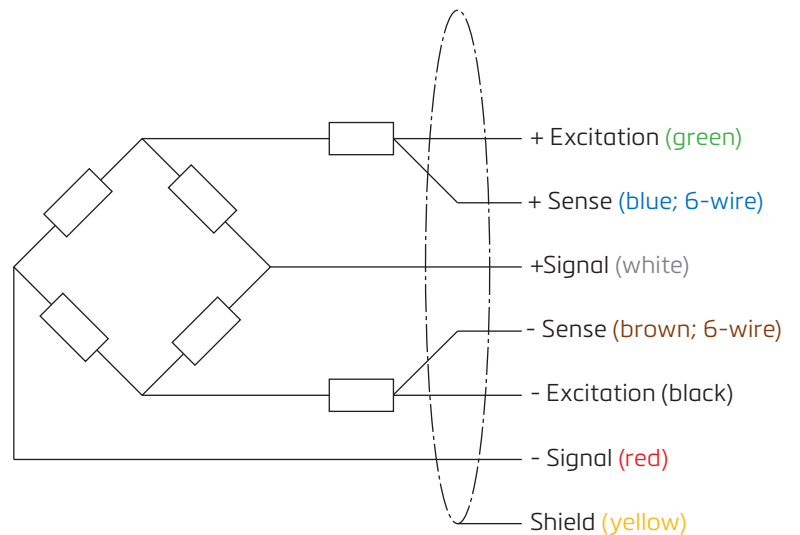
로드셀에는 차폐 처리된 6심 케이블(AWG 26) 또는 차폐 처리된 4심 케이블(AWG 24)이 제공됩니다.

Cable jacket: polyurethane

Cable length: 3 m

Cable diameter: 5 mm

The shield is floating or connected to the load cell body



Specifications and dimensions are subject to change without notice.