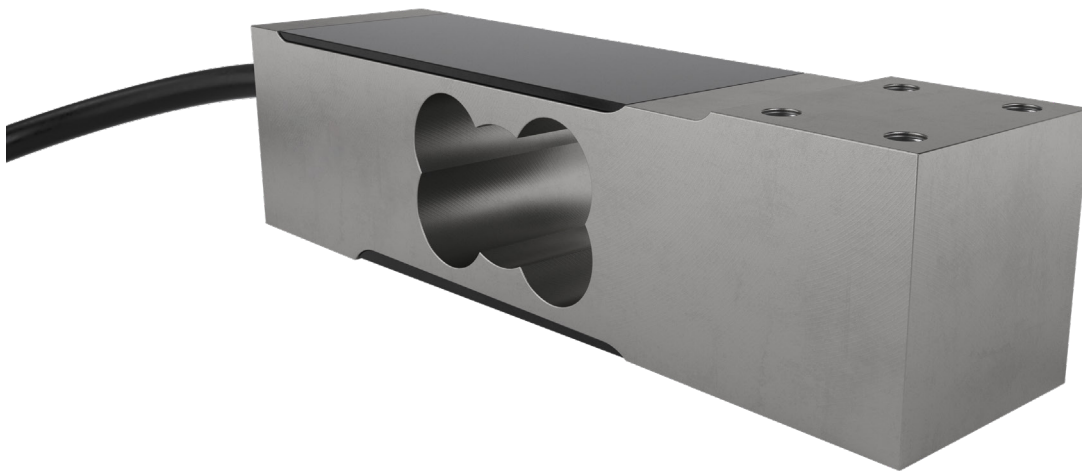


PC1 single point load cell



product description

높은 정확도를 자랑하는 단일 지점 로드셀 PC1은 다양한 계량 작업에 이상적입니다. 스테인리스 스틸 재질로 제작되었으며, 내구성이 뛰어난 포팅 소재로 환경 보호 기능을 갖추고 있습니다. 7.5kg부터 200kg까지의 용량과 C4 OIML 등급의 정확도를 제공하는 PC1은 다양한 인증 계량 장비에 적용 가능합니다.

applications

벤치 저울, 포장 및 분류 기계, 백 충전 장비, 병 충전 기계

key features

Stainless steel construction

Environmentally sealed by potting to IP67 (IP65 only for the 7.5 and 10kg models)

Wide range of capacities from 7.5kg to 200kg

High accuracy

For platform sizes of up to 600 x 600mm

Integral mounting spacer

approvals

OIML approval to C3, C3 MI6 and C4 (Y = 10,000)

NTEP approval to 4,500 intervals, Class III (for 7.5kg to 75kg)

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

FM hazardous area approval

accessories + options

Compatible range of electronics

Y = 15,000 for C3, C3 MI6 and C4

M10 장착 나사산 사용 가능 (50kg, 75kg, 100kg 모델에만 해당)



specifications

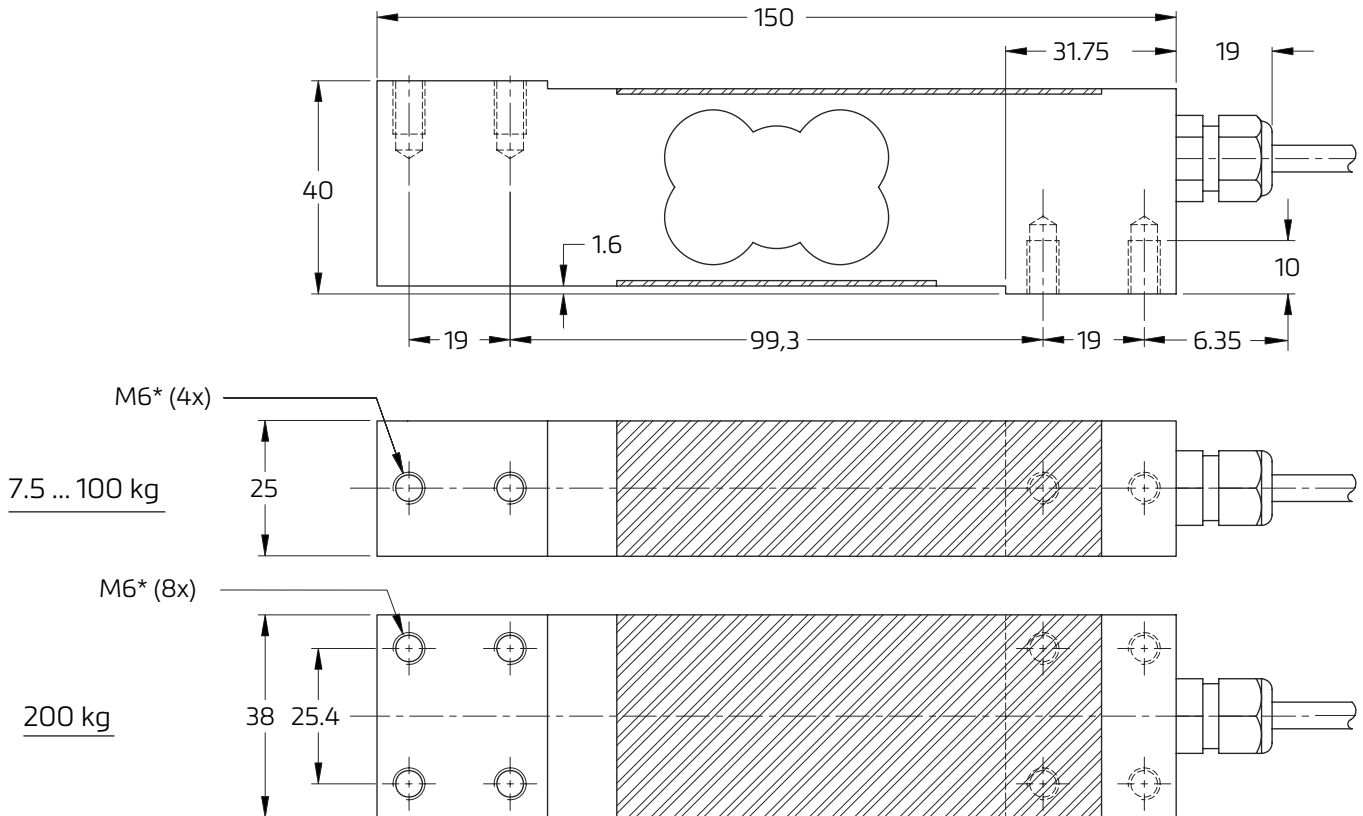
Maximum capacity (E _{max})	kg	7.5 / 10 / 15 / 30 / 50 / 75 / 100 / 200			
Accuracy class according to OIML R60	-	(GP)	C3	C3 MI 6	C4
Maximum number of verification intervals (n _{LC})	-	n.a.	3,000		4,000
Minimum load cell verification interval (v _{min})	-	n.a.	E _{max} /10,000		
Temperature effect on 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		± 0.0080
Combined error	%*RO	± 0.0500	± 0.0200	± 0.0180	± 0.0180
Non-linearity	%*RO	± 0.0400	± 0.0166	± 0.0166	± 0.0125
Hysteresis	%*RO	± 0.0400	± 0.0166	± 0.0083	± 0.0125
Creep error (30 minutes) / DR	%*RO	± 0.0600	± 0.0166	± 0.0083	± 0.0125
Optional min. load cell verification interval (v _{min} opt)	-	n.a.	E _{max} /15000		
Optional temp. effect on min. dead load output (TC ₀ opt)	%*RO/10°C	n.a.	± 0.0093		
Rated Output (RO)	mV/V	2 ± 5%			
Zero balance	%*RO	± 5			
Excitation voltage	V	5...15			
Input resistance (R _{LC})	Ω	390 ± 20			
Output resistance (R _{out})	Ω	330 ± 25			
Insulation resistance (100 V DC)	MΩ	≥ 5000			
Safe load limit (E _{lim})	%*E _{max}	200			
Ultimate load	%*E _{max}	300			
Safe side load	%*E _{max}	100			
Maximum platform size; loading according to OIML R76	mm	350x350 for 7.5...15 kg / 450x450 for 30...75 kg / 600x600 for 100...200 kg			
Maximum off centre distance at maximum capacity	mm	115 for 7.5...15 kg / 150 for 30...75 kg / 200 for 100...200 kg			
Compensated temperature range	°C	-10...+40			
Operating temperature range	°C	-20...+65 (ATEX -20...+60)			
Load cell material	-	stainless steel 17-4 PH (1.4548)			
Sealing	-	plastic covered			
Protection according to EN 60 529	-	IP67*			
Packet weight	kg	1.2 (7.5-100kg), 1.6 (200kg)			

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 $p_{LC}=0.7$.

* Attention: IP65 for 7.5 kg and 10 kg

product dimensions (mm)



PC1: 장착 볼트 M6 8.8; 토크 10 Nm. 토크 값은 나사산에 오일이 도포된 상태를 기준으로 합니다.

* 1/4-20 UNC 규격의 통합 나사산이 제공됩니다.

PC1B: 장착 볼트 M10 8.8; 토크 50 Nm (50/75/100 kg). 토크 값은 나사산에 오일을 바른 상태를 기준으로 합니다. 접시머리 장착 나사를 사용하는 경우 상세 도면을 요청하십시오.

wiring

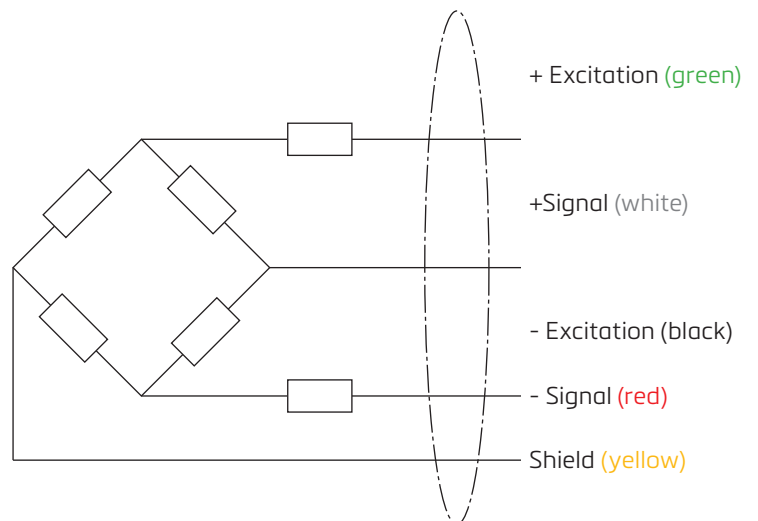
The load cell is provided with a shielded, 4 conductor cable (AWG 24).

Cable jacket: polyurethane

Cable length: 3 m

Cable diameter: 5 mm

The shield is connected to the load cell body



Specifications and dimensions are subject to change without notice.