

제품 소개



- PC1 은 다양한 계량기 제조를 위한 Stainless Steel 재질이며 매립방식 밀봉을 하여 환경적으로 매우 높은 내구성을 제공합니다.
- 7.5kg ~ 200kg 까지의 용량과 C4 OIML 의 정확도 등급이 인증된 로드셀 입니다.
- 방수형 고정밀 저울 / 식품 충전 시스템 / 고정밀 충전 시스템 / 병 충전 시스템에 적합합니다.

특징 Feature

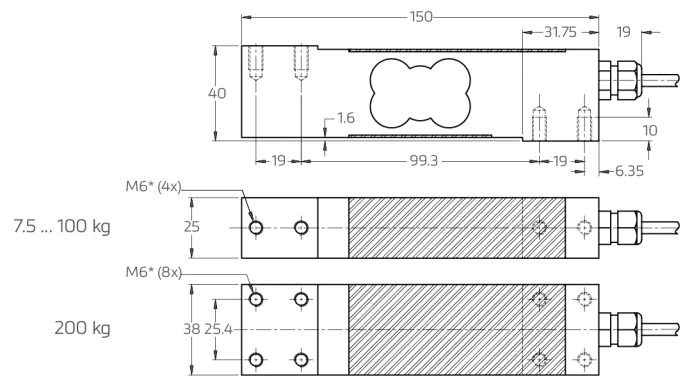
- Stainless Steel 구조 / 포팅으로 환경 친화적인 밀봉
- 플랫폼 규격 600 x 600mm
- EN 60 529에 따른 보호 : IP 67
- 로드셀 케이블 : 폴리 우레탄 3m x 5mm
- 다양한 용량 / 높은 정확도

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 ₉₀)	%*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 ± 0.1			
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 TC₉₀ are typical values.
 The sum of Non-linearity, Hysteresis and TC₉₀ meets the requirements according to OIML R60 with pLC=0.7.
 * Attention: IP65 for 7.5 kg and 10 kg

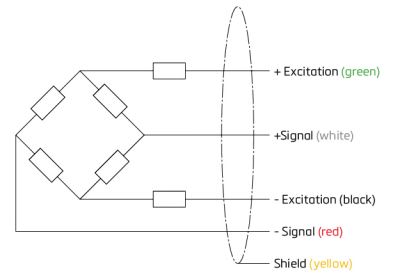
product dimensions (mm)



PC1: Mounting bolts M6 8.8; torque 10 Nm. Torque value assumes oiled threads.
 * Unified thread 1/4-20 UNC is available.
 PCB: Mounting bolts M10 8.8; torque 50 Nm (50/75/100 kg). Torque value assumes oiled threads.
 If countersunk mounting screws are used, ask for a detailed drawing.

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



< EXP Single Point Load Cell Series >

모델	용량 (kg)	침판규격 (mm)	등급	재질
PC 22	5,20,30,40	350 x 350	C3	Aluminum
PC 42	5,10,20,30,50,100,200	400 x 400	C3	Aluminum
PC 46	50,100,150,200,250	400 x 400	C4	Aluminum
PC 1	7.5,10,15,30,50,75,100,200	600 x 600	C4	Stainless Steel
PC 6	10,20,50,100,200	600 x 600	C4	Stainless Steel
PC 7	100,250,500	600 x 600	C4	Stainless Steel
PC 60	30,50,100,150,200,300,500,750	600 x 600	C3	Aluminum
PC 12	20	600 x 600	C3	Stainless Steel
PC 2	20	600 x 600	G3*	Stainless Steel
		1000 x 1000	G3*	Stainless Steel
PCB	50/100/250/500/1000	1000 x 1000	C3MI6	Stainless Steel
PC 2H	2000	1200 x 1200	C3	Stainless Steel



RoHS compliant

