

제품 소개

- PC46은 벤치 스케일 및 의료 저울에 적합한 중형 로드셀입니다.
- 외부환경에 대한 내구성을 보장하기 위해 컴파운드 포팅방식으로 완전밀봉처리되었습니다.

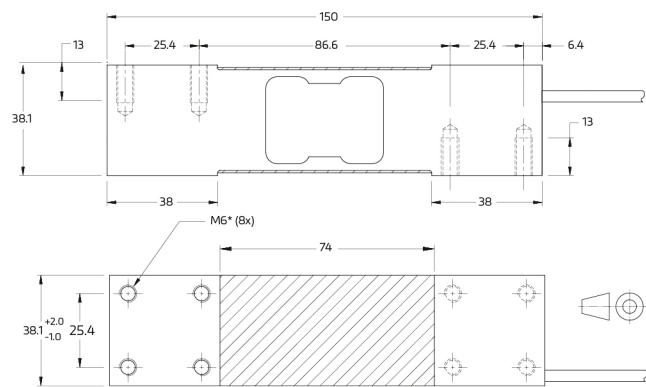
특징 Feature

- 알루미늄 구조 / 포팅으로 환경 친화적인 밀봉
- 플랫폼 규격 400 x 400mm
- 로우 프로파일 디자인
- 로드셀 케이블 : 폴리 우레탄 3m x 5.8mm
- EN 60 529에 따른 보호 : IP 67

specifications

Maximum capacity (E_{max})	kg	50 / 100 / 150 / 200 / 250	250
Accuracy class according to OIML R60		(GP)	C3 C4
Maximum number of verification intervals (n_{IC})		n.a.	3,000 4,000
Minimum load cell verification interval (V_{min})		n.a.	$E_{max} / 7,500$ $E_{max} / 12,500$
Temperature effect on minimum dead load output (TC_0)	%RO/10°C	± 0.0400	± 0.0187 ± 0.0112
Temperature effect on sensitivity (TC_{R0})	%RO/10°C	± 0.0200	± 0.0100 ± 0.0080
Combined error	%RO	± 0.0500	± 0.0200 ± 0.0180
Non-linearity	%RO	± 0.0400	± 0.0166 ± 0.0125
Hysteresis	%RO	± 0.0400	± 0.0166 ± 0.0125
Creep error (30 minutes) / DR	%RO	± 0.0600	± 0.0166 ± 0.0125
Optional: Min. load cell verification interval ($V_{min, opt}$)		n.a.	$E_{max} / 15,000$ $E_{max} / 25,000$
Optional: Temp. effect on min. dead load output (TC_0, opt)	%RO/10°C	n.a.	± 0.0093 ± 0.0056
Rated Output (RO)	mV/V		2 ± 10%
Zero balance	%RO		± 5
Excitation voltage	V		5...15
Input resistance (R_{IC})	Ω		413 ± 20
Output resistance (R_{out})	Ω		350 ± 25
Insulation resistance (100 V DC)	MΩ		≥ 5000
Safe load limit (E_{lim})	% E_{max}		150
Ultimate load	% E_{max}		300
Safe side load	% E_{max}		100
Maximum platform size; loading acc. to OIML R76	mm		400 x 400
Maximum off centre distance at maximum capacity	mm		150
Compensated temperature range	°C		-10...+40
Operating temperature range	°C		-20...+65 (ATEX -20...+60)
Load cell material			aluminium
Sealing			potted
Protection according EN 60 529			IP67
Packet weight	kg		0.8

product dimensions (mm)



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

* Unified thread 1/4-20 UNC is available.

wiring

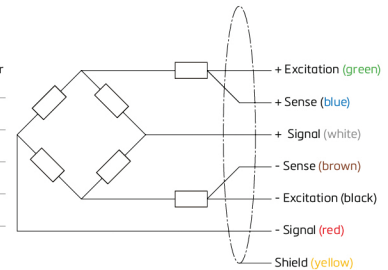
The load cell is provided with a shielded, 6 conductor cable (AWG 26).

Cable jacket: polyurethane

Cable length: 3 m

Cable diameter: 5.8 mm

The shield is connected to the load cell body



RoHS
compliant



The limits for Non-Linearity, Hysteresis, and TC_{R0} are typical values.

The sum of Non-linearity, Hysteresis and TC_{R0} meets the requirements according to OIML R60 with $p_{LC}=0.7$.