



Since 1994, DIGITAL LEADER Axis Sensitive Co. Ltd
Industrial Explosion Proof Load Cell



MODEL : PC2H-EXP

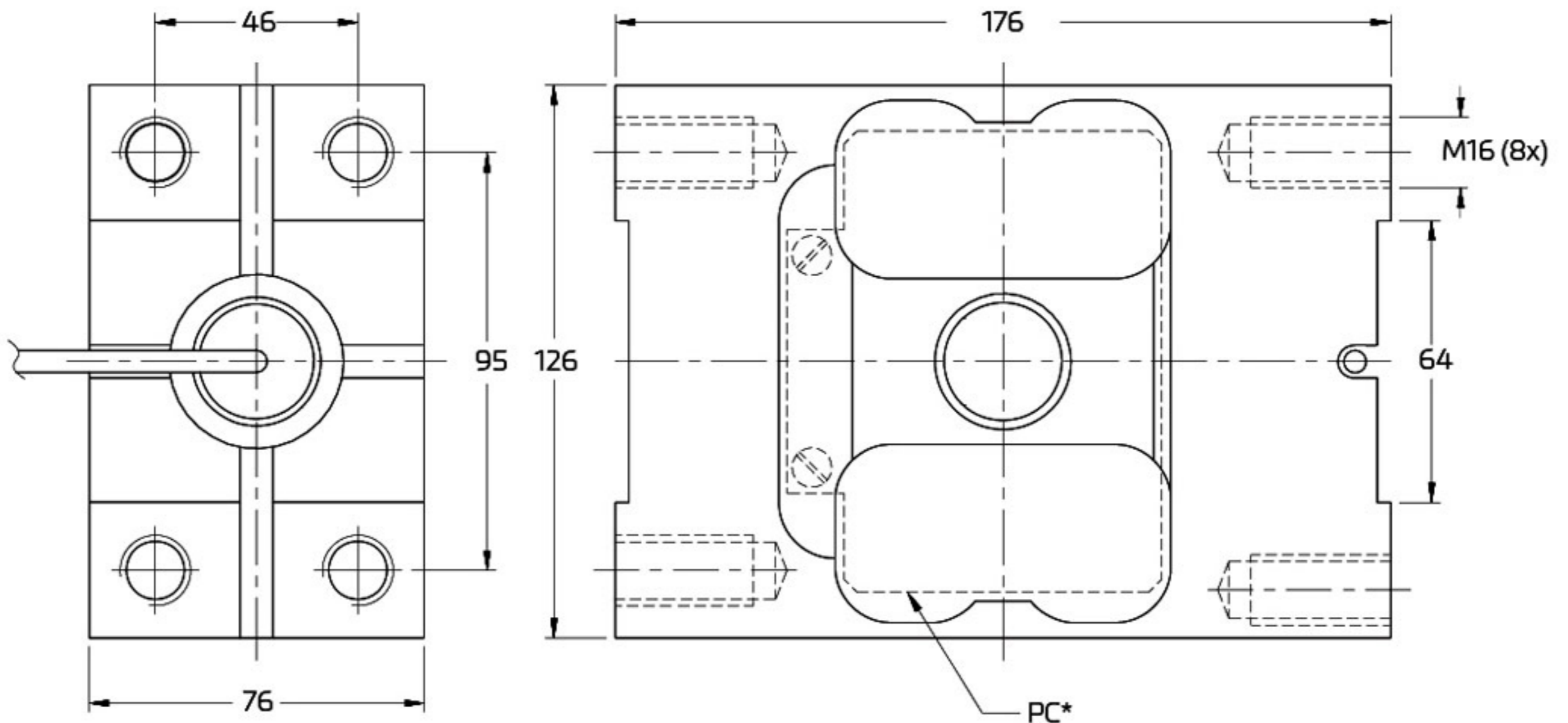


RoHS
compliant



제품 규격 [UNIT : mm]

Product Specification



Mounting bolts M16 8.8; torque 200 Nm. Torque value assumes oiled threads.
 PC* - Protective cover available on request. 6mm thick, two sides.

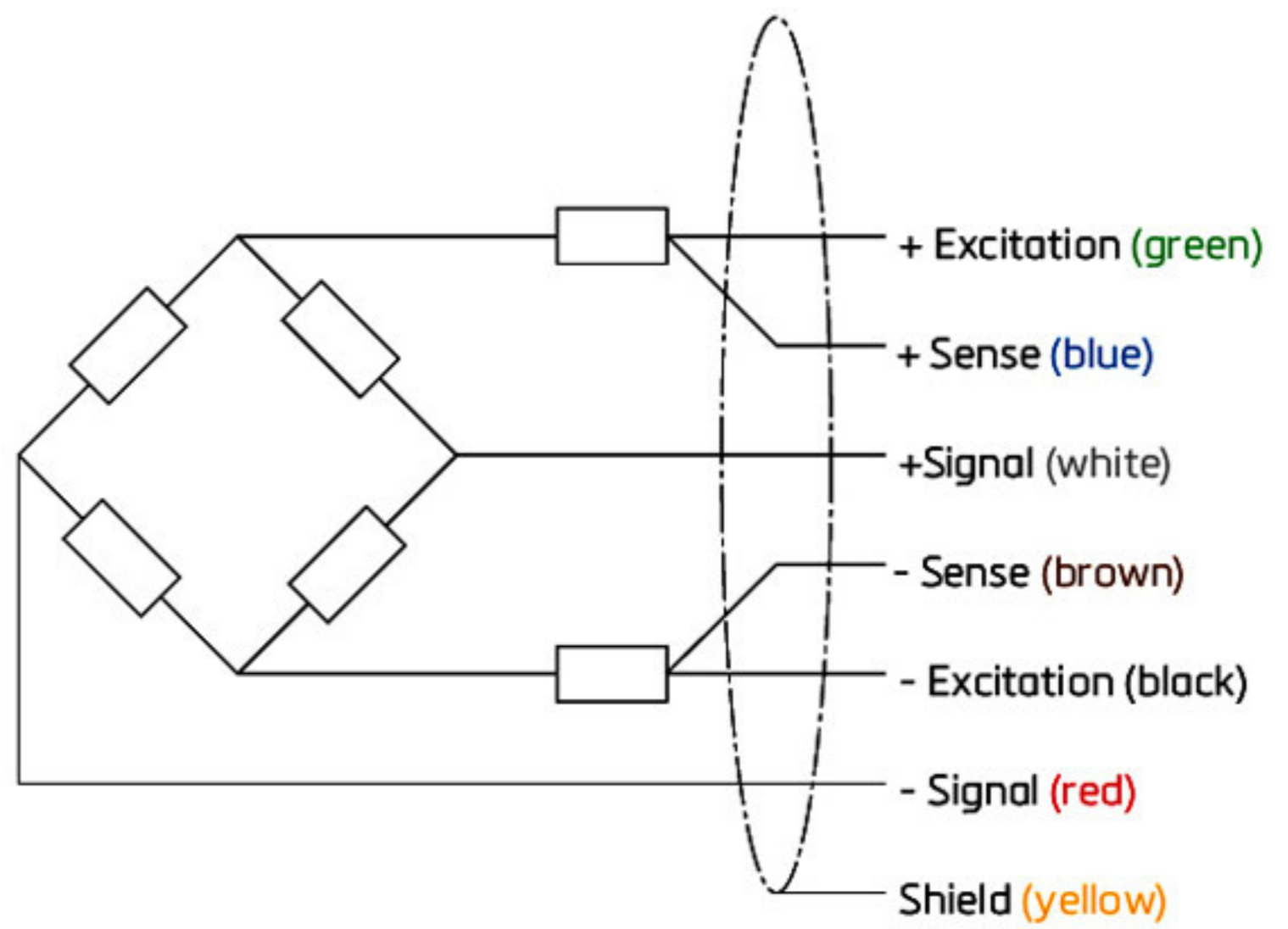
The load cell is provided with a shielded, 6 conductor cable (AWG 26).

Cable jacket: polyurethane

Cable length: 5 m

Cable diameter: 5.8 mm

The shield is floating or connected to the load cell body



- ▶ 폐기물 수거 차량 또는 지게차의 프런트 엔드 및 리어 엔드 빈 리프팅 시스템용으로 설계된 제품
- ▶ OIML 인증을 받았으며 폐기물 수집을 위한 이상적인 로드셀
- ▶ 견고하고 내구성이 높음
- ▶ 빈 리프트형 로드셀 (PC3H, PC5H, PC6H)과 호환이 가능

Maximum capacity (E_{max})	kg	2,000	
Accuracy class according to OIML R60	-	(GP)	C3
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) / DR	%*RO	± 0.0600	± 0.0166
Optional: Min. load cell verification interval ($v_{min opt}$)	-	n.a.	$E_{max}/20,000$

Optional: Min. load cell verification interval (v_{min} opt)	-	n.a.	$E_{max} / 20,000$
Optional: Temp. effect on min. dead load output (TC_0 opt)	$\%*RO/10^{\circ}C$	n.a.	± 0.0070
Rated Output (RO)	mV/V	$2 \pm 5\%$	
Calibration in mV/V/ Ω	%		
Zero balance	$\%*RO$	± 5	
Excitation voltage	V	5...15	
Input resistance (R_{LC})	Ω	$1,100 \pm 50$	
Output resistance (R_{out})	Ω	960 ± 50	
Insulation resistance (100 V DC)	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 off centre loading effect	$\%*RO/mm$	± 0.00002	
Maximum off centre distance at maximum capacity	mm	175	
Compensated temperature range	$^{\circ}C$	-10...+40	
Operating temperature range	$^{\circ}C$	-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 2m water depth) / IP69K	
Packet weight	kg	8.3	

- **Stainless Steel 구조**
- **밀폐된 구조 / 높은 정확도**
- **로드셀 케이블 : 폴리 우레탄 5m x 5.8mm**
- **EN 60 529에 따른 보호 : IP68(up to 2m 물 깊이) / 69K**

모 델	용 량 (kg)	집판규격 (mm)	등 급	재 질
PC 22	5,20,30,40	350 × 350	C3	Aluminum
PC 42	5,10,20,30,50,100,200	400 × 400	C3	Aluminum
PC 46	50,100,150,200,250	400 × 400	C4	Aluminum
PC 1	7.5,10,15,30,50,75,100,200	600 × 600	C4	Stainless Steel
PC 6	10,20,50,100,200	600 × 600	C4	Stainless Steel
PC 7	100,250,500	600 × 600	C4	Stainless Steel
PC 60	30,50,100,150,200,300,500,750	600 × 600	C3	Aluminum
PC 12	20	600 × 600	C3	Stainless Steel
PC 2	20	600 × 600	G3*	Stainless Steel
	150	1000 × 1000	G3*	Stainless Steel
PCB	50/100/250/500/1000	1000 × 1000	C3M16	Stainless Steel
PC 2H	2000	1200 × 1200	C3	Stainless Steel