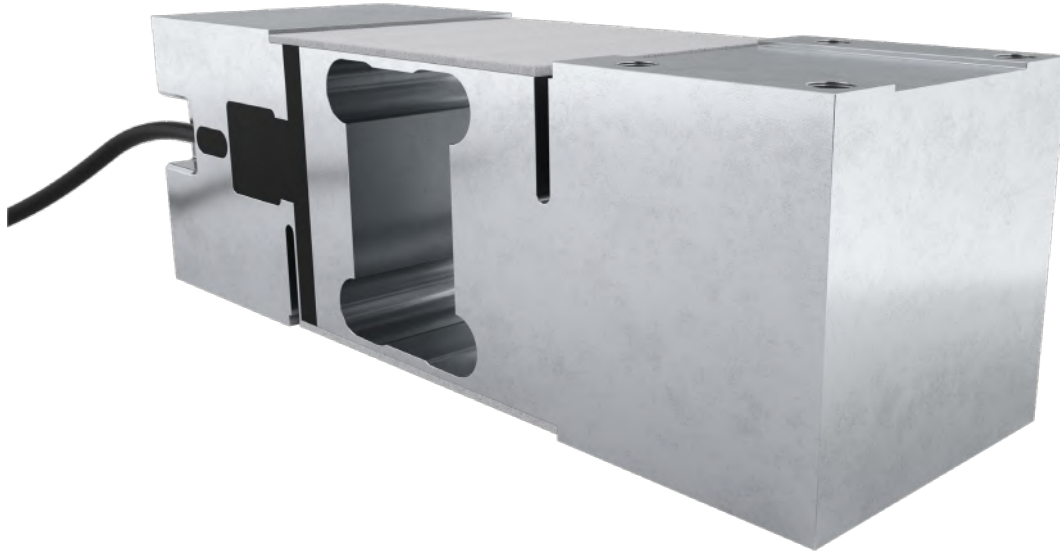


# PC60 single point load cell



## product description

The PC60 single point is a medium capacity load cell ideal for bench scales, platform scales and medical scales. Constructed from aluminium and environmentally sealed with potting compound to ensure durability. The PC60 is available in a wide range of capacities from 30kg thru to 750kg and is certified to 3000d OIML. Scales can be constructed with platform sizes of 600mm x 600mm.

## applications

Bench scales, platform scales, high speed checkweighers, medical scales.

## key features

Aluminium construction

Environmentally sealed by potting to IP67

Wide range of capacities from 30kg to 750kg

For platform sizes of up to 600 x 600mm

## approvals

OIML approval to C3 (Y = 7,500)

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

FM hazardous area approval

## accessories

Compatible range of electronics

## options

Y = 15,000 for C3



RoHS  
compliant



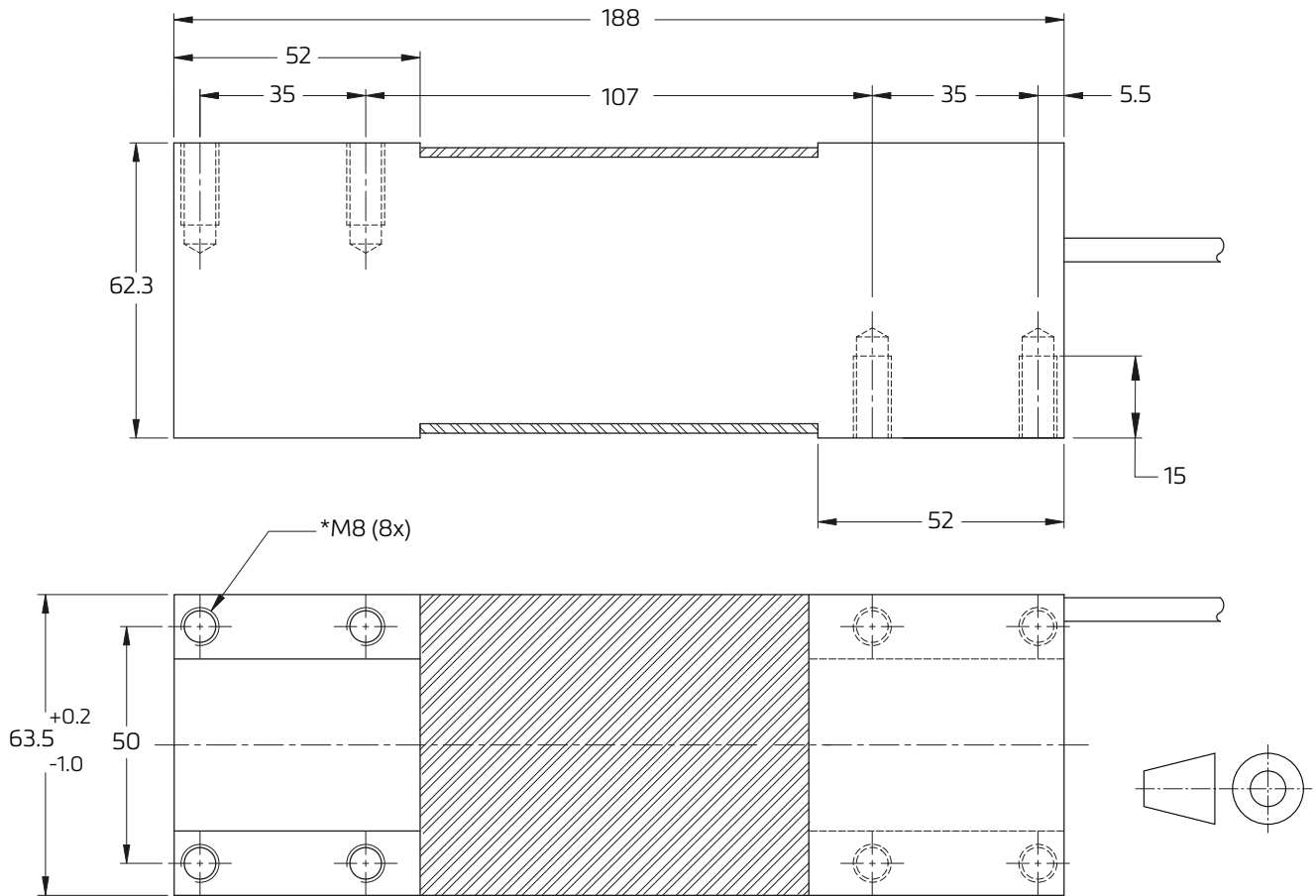
## specifications

Maximum capacity ( $E_{max}$ )	kg	30 / 50 / 100 / 150 / 200 / 300 / 500 / 750	
Accuracy class according to OIML R60		(GP)	C3
Maximum number of verification intervals ( $n_{max}$ )		n.a.	3,000
Minimum load cell verification interval ( $v_{min}$ )		n.a.	$E_{max} / 7,500$
Temperature effect on minimum dead load output ( $TC_0$ )	%*RO/10°C	± 0.0400	± 0.0187
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.	$E_{max} / 15,000$
Optional: Temp. effect on min. dead load output ( $TC_0 opt$ )	%*RO/10°C	n.a.	± 0.0093
Rated Output (RO)	mV/V	2 ± 10%	
Zero balance	%*RO	± 5	
Excitation voltage	V	5...15	
Input resistance ( $R_{LC}$ )	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	600 x 600	
Maximum off centre distance at maximum capacity	mm	200	
Compensated temperature range	°C	-10...+40	
Operating temperature range	°C	-20...+65 (ATEX -20...+60)	
Load cell material		aluminium, optional clear anodized	
Sealing		potted	
Protection according EN 60 529		IP67	
Packet weight	kg	2	

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  $p_{LC}=0.7$ .

## product dimensions (mm)



Mounting bolts M8 8.8; torque 25 Nm. Torque value assumes oiled threads.

\* Unified thread 5/16-18 UNC is available.

## wiring

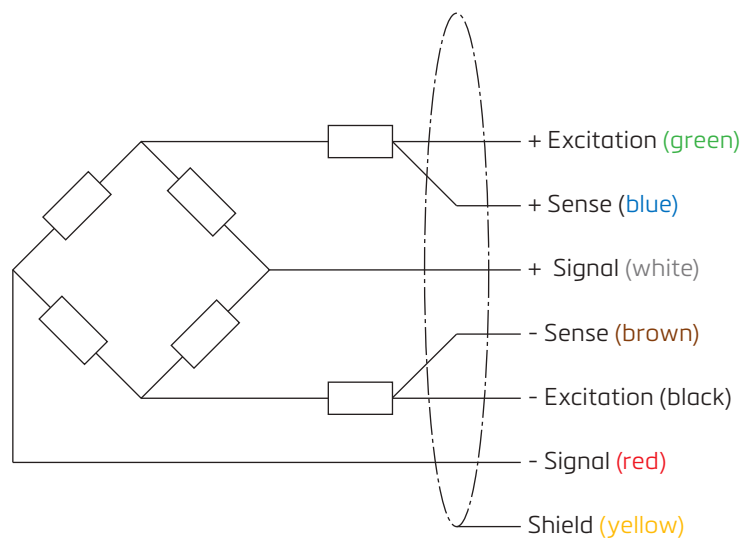
The load cell is provided with a shielded, 6 conductor cable (AWG 26).

Cable jacket: polyurethane

Cable length: 3 m

Cable diameter: 5.8 mm

The shield is connected to the load cell body



Specifications and dimensions are subject to change without notice.