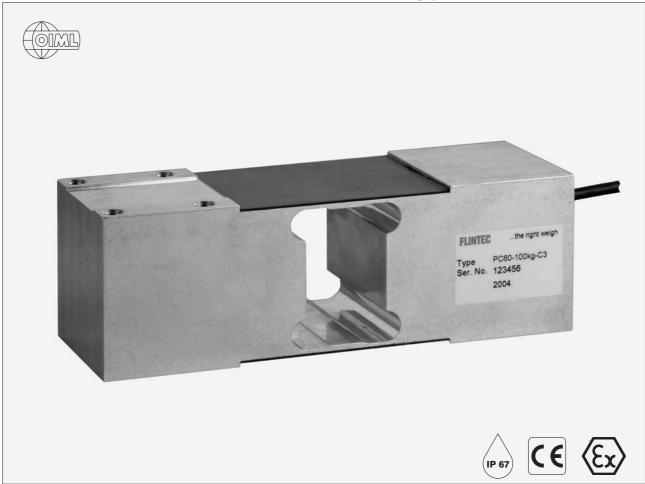


# **Type PC60 Load Cell**



Flintec load cells are designed to meet the most stringent accuracy requirements. Certifications have been obtained from Weights & Measures Authorities, worldwide.

The PC60 platform load cells are available in the capacities 30 kg to 750 kg and include Accuracy Classifications GP and C3 according to OIML R 60.

They offer aluminium construction and improved potting, making them suitable for use in industrial environments.

The off center load performance according OIML allows a maximum platform size of 600  $\times$  600 mm.

The PC60 is available for use in hazardous areas zone 0, 1, 2 (gas) and 20, 21, 22 (dust) according to EEx ia IIC T6...T4 T150°C ATEX.

### **Important Features**

- Capacity: 30 kg to 750 kg.
- High accuracy.
- Aluminium construction.
- Protection IP 67.
- Maximum platform size 600 x 600 mm.
- W&M certified for 3000 intervals.

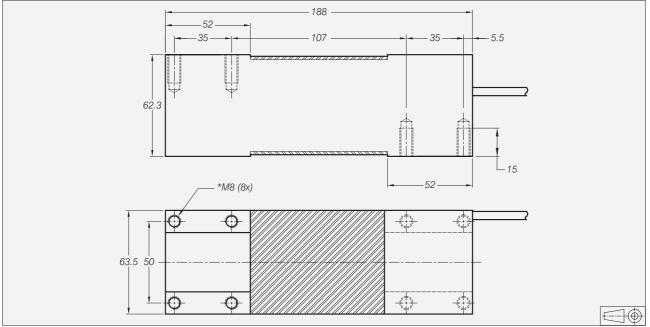
### Option

- Explosion protection zone 0, 1, 2 and 20, 21, 22 ATEX.
- C3 with Y=15000.

## **PC60 Specifications**

Maximum capacity (E <sub>max</sub> )		kg	30 / 50 / 100 / 200 / 300 / 500 / 750		
Rated Output (Cn)		mV/V	2 ± 10%		
Accuracy class according to OIML R 60			(GP)	C3	
Maximum number of verification intervals (n <sub>max</sub> )			n.a.	3000	
Minimum load cell verification interval (v <sub>min</sub> )			n.a.	E <sub>max</sub> /6000	
Temperature effect on minimum dead load output			%Cn/°C	≤ ± 0.0040	≤ ± 0.0023
Option	Min. load cell verification interval	(v <sub>min</sub> )		n.a.	E <sub>max</sub> /15000
	Temp. effect on min. dead load of	output	%Cn/°C	n.a.	≤ ± 0.0009
Combined error			%Cn	≤ ± 0.040	≤ ± 0.020
Creep error (30 minutes) / DR		%Cn	≤ ± 0.060	≤ ± 0.016	
Temperature effect on sensitivity		%/°C	≤ ± 0.0020	≤ ± 0.0011	
Excitation voltage		V	515		
Zero balance			%Cn	$\leq \pm 5$	
Input resistance		Ω	413 ± 20		
Output resistance		Ω	350 ± 25		
Insulation resistance (100 V DC)		MΩ	≥ 5000		
Compensated temperature range		°C	-10+40		
Operating temperature range			°C	-20+65	
Safe load limit (E <sub>lim</sub> )		%E <sub>max</sub>	150		
Ultimate load		%E <sub>max</sub>	300		
Safe side load			%E <sub>max</sub>	100	
Maximum platform size; loading according OIML			mm	600 × 600	
Maximum off center distance at maximum capacity			mm	200	
Load cell material				aluminium	
Sealing			potted		
Protection according DIN 40.050			IP	67	

#### **Dimensions**



All dimensions in mm. Dimensions and specifications are subject to change without notice.

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.

