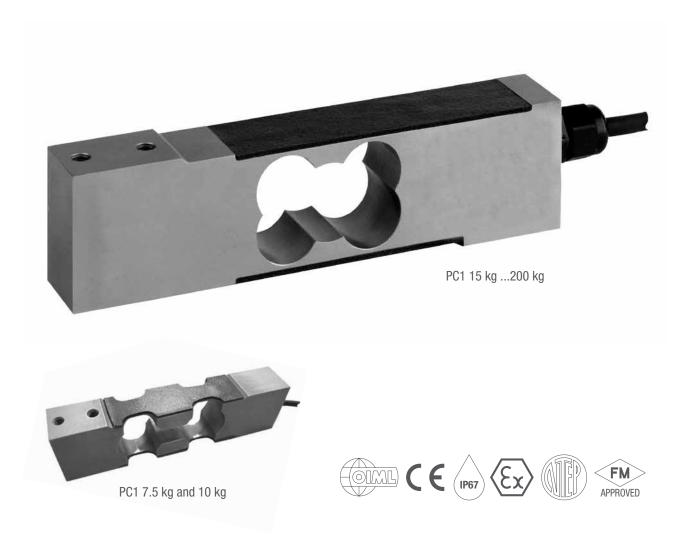
## **FLINTEC**



## **Product Description**

The type PC1 is a stainless steel single point load cell with an improved potting. It is suitable for use in industrial environments.

## Application

Bench and floor scales, conveyor scales

## **Key Features**

- Wide range of capacities from 7.5 kg to 200 kg
- Stainless steel construction
- Environmental Protection IP67 (IP65 for 7.5 kg and 10 kg)
- Maximum platform size up to 600 x 600 mm
- Integral mounting spacer

#### **Approvals**

- OIML approval to C3, C3 MI6 and C4 (Y = 10 000)
- NTEP approval to 4 500 intervals, Class III (for 7.5 kg to 75 kg)
- ATEX hazardous area approval for Zone 0, 1, 2, 20, 21 and 22
- FM hazardous area approval

## **Options**

- Y = 15 000 for C3, C3 MI6 and C4
- M10 mounting threads available (only for 50 kg, 75 kg and 100 kg)

## Packed Weight

Capacity (kg) 7.5–100 200 Weight (kg) 1.2 1.6

## Available Accessories

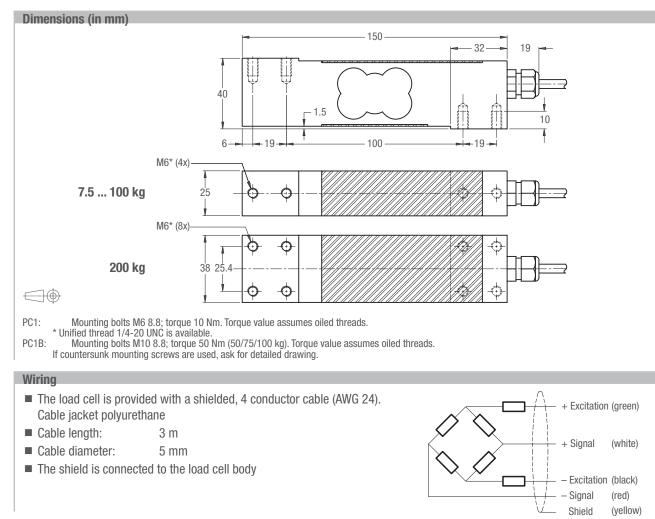
Compatible range of electronics

# **~FLINTEC**

Specifications					
Maximum capacity (E <sub>max</sub> )	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 <sub>LC</sub> )		n.a.	3 000 4 000		
Minimum load cell verification interval		n.a.	E <sub>max</sub> /10 000		
Temperature effect on minimum dead load output (TC <sub>0</sub> )	%*R0/10°C	± 0.0400	± 0.0140		
Temperature effect on sensitivity (TC <sub>RO</sub> )	%*R0/10°C	± 0.0200	± 0.0100 ± 0.0080		± 0.0080
Combined error	%*R0	$\pm 0.0500$	± 0.0200 ± 0.0180 ± 0.0180		± 0.0180
Non-linearity	%*R0	± 0.0400	± 0.0166	± 0.0166	± 0.0125
Hysteresis	%*R0	± 0.0400	± 0.0166	± 0.0083	± 0.0125
Creep error (30 minutes) / DR	%*R0	± 0.0600	± 0.0166	± 0.0083	± 0.0125
Option Min. load cell verification interval (v <sub>min opt</sub> )		n.a.	E <sub>max</sub> /15 000		
Temp. effect on min. dead load output (TC <sub>0 opt</sub> )	%*R0/10°C	n.a.	± 0.0093		
Rated Output (RO)	mV/V		2 ± 0.1		
Zero balance	%*R0	± 5			
Excitation voltage	V	515			
Input resistance (RLC)		390 ± 20			
Output resistance (Rout)	Ω	330 ± 25			
Insulation resistance (100 V DC)	MΩ	≥ 5 000			
Safe load limit (Elim)	%*Emax	200			
Ultimate load	%*E <sub>max</sub>	300			
Safe side load	%*E <sub>max</sub>	100			
Maximum platform size; loading according to OIML R76	mm	350x350 for 7.515 kg / 450x450 for 3075 kg / 600x600 for 100200 kg			
Maximum off center distance at maximum capacity	mm	115 for 7.515 kg / 150 for 3075 kg / 200 for 100200 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 EN 60 529 IP67*					

The limits for Non-Linearity, Hysteresis, and TC<sub>RO</sub> are typical values.

The sum of Non-linearity, Hysteresis and  $TC_{RO}$  meets the requirements according to OIML R60 with p<sub>LC</sub>=0.7. \* **Attention:** IP65 for 7.5 kg and 10 kg



A23-Rev4-GB-2(2) Specifications and dimensions are subject to change without notice.