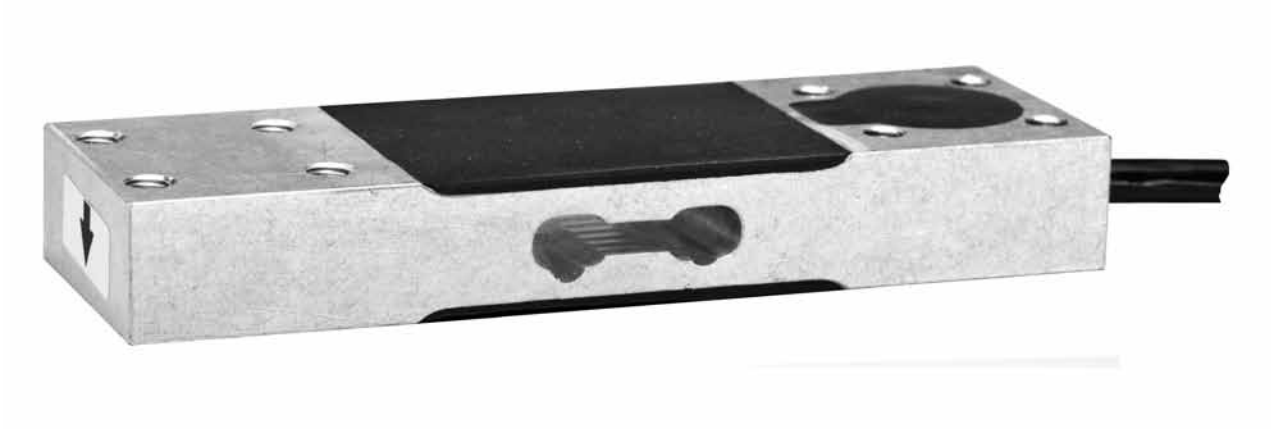
Type PC52 Load Cell



IP67

Product Description

The type PC52 is an aluminium single point load cell with an improved potting.

Application

- Retail scales, bench scales and process scales (e.g. gas bottle scale)

Key Features

- Capacity of 200 kg
- Aluminium construction
- Environmental Protection IP67
- Very low profile design
- Maximum platform size up to 250 x 250 mm

Packed Weight

- 0.4 kg

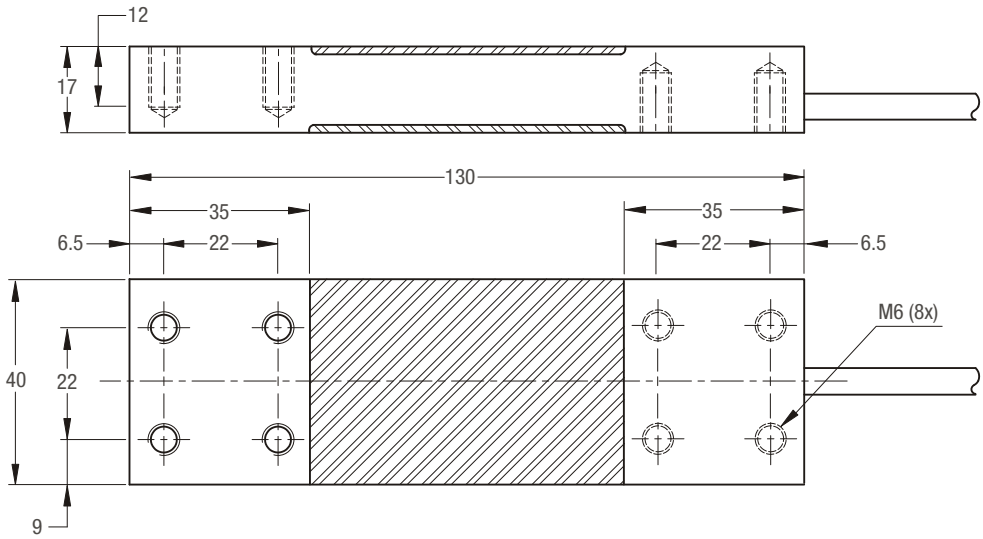
Available Accessories

- Compatible range of electronics

Specifications

Maximum capacity	(E_{max})	kg	200
Accuracy class			(GP)
Temperature effect on minimum dead load output	(TC_0)	%*RO/10°C	± 0.2500
Temperature effect on sensitivity	(TC_{RO})	%*RO/10°C	± 0.0700
Combined error		%*RO	± 0.0400
Creep error (30 minutes) / DR		%*RO	± 0.0400
Rated output	(RO)	mV/V	2 ± 5%
Zero balance		%*RO	± 5
Excitation voltage		V	5...15
Input resistance	(R_{LC})	Ω	1150 ± 50
Output resistance	(R_{out})	Ω	1000 ± 100
Insulation resistance (100 V DC)		MΩ	≥ 10000
Safe load limit	(E_{lim})	%*E_{max}	200
Ultimate load		%*E_{max}	300
Safe side load		%*E_{max}	100
Maximum platform size; loading acc. OIML R76		mm	250 x 250
Maximum off centre distance at maximum capacity		mm	95
Compensated temperature range		°C	–10...+40
Operating temperature range		°C	–20...+65
Load cell material			aluminium
Sealing			potted
Protection according EN 60 529			IP67

Dimensions (in mm)



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

Wiring

- The load cell is provided with a shielded, 6 conductor cable (AWG 26). Cable jacket polyurethane
- Cable length: 0.315 m
- Cable diameter: 5.8 mm
- The shield is connected to the load cell body

