



Product Description

The type WPM is a mini planar beam load cell with integrated load mount within an aluminium enclosure.

Using 3 or 4 type WPM load cells is an alternative to a single point load cell configuration with the additional benefit of a practical unlimited platform size.

Application

- Compact scales, bench, retail and counting scales, special applications in medical and other areas

Key Features

- Capacity of 37.5 lb (17 kg)
- Aluminium construction
- Calibration in mV/V/Ω for accuracy class G3

Packed Weight

- appr. 0.3 kg

Available Accessories

- Compatible range of electronics

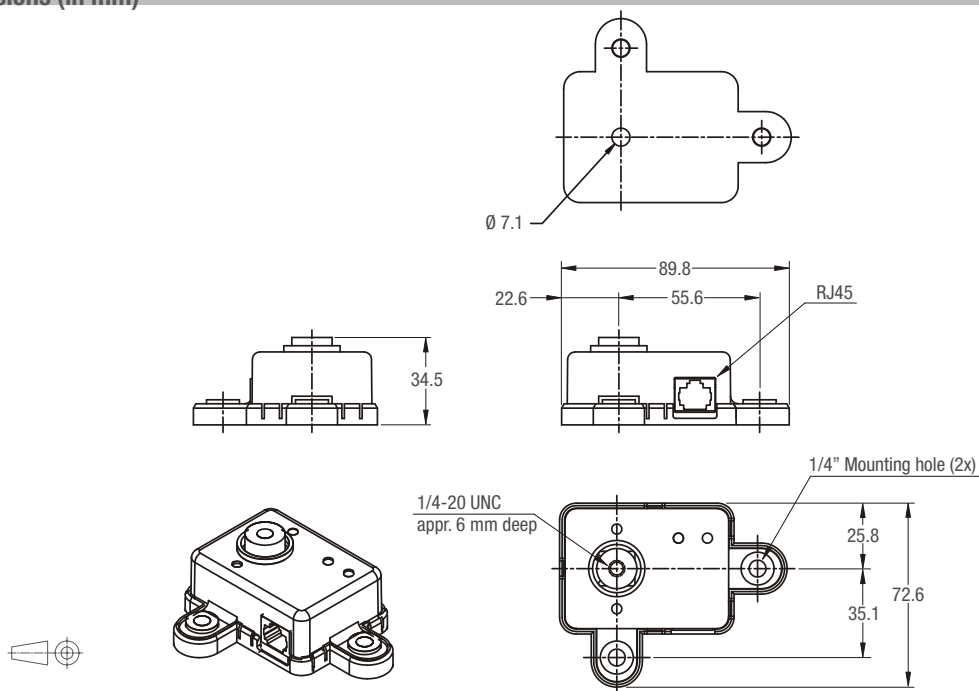
Specifications

Maximum capacity	(E _{max})	lb	37.5
Metric equivalent (1 lb = 0.45359 kg)		kg	17
Accuracy class according OIML R 60		(GP)	G3
Maximum number of verification intervals	(n _{LC})	n.a.	3000
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
Temperature effect on sensitivity	(TC _{RO})	%*RO/10°C	≤ ± 0.0200
Combined error		%*RO	≤ ± 0.0500
Non-linearity		%*RO	≤ ± 0.0400
Hysteresis		%*RO	≤ ± 0.0400
Creep error (30 minutes) / DR		%*RO	≤ ± 0.0600
Rated output	(RO)	mV/V	1 ± 15%
Calibration in mV/V/Ω		%*RO	n.a.
Zero balance		%*RO	≤ ± 5
Excitation voltage		V	5...15
Input resistance	(R _{LC})	Ω	401 ± 10
Output resistance	(R _{out})	Ω	385 ± 35
Insulation resistance (100 V DC)		MΩ	≥ 5000
Safe load limit	(E _{lim})	%*E _{max}	300
Ultimate load		%*E _{max}	400
Safe side load		%*E _{max}	200
Compensated temperature range		°C	-10...+40
Operating temperature range		°C	-10...+65
Load cell material			Aluminium
Enclosure			Aluminium
Load mount			Natural rubber

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.

Dimensions (in mm)



Wiring

- Cable connection is done via one RJ-45 socket.

Connector pin	Function
1	+ Signal
2	- Signal
4	+ Excitation / + Sense
5	- Excitation / - Sense