



Precision Transducers Ltd.



Model PT1000

LOW COST SINGLE POINT

3kg~250kg

APPLICATIONS

- Low cost retail scales
- Low cost bench scales
- Person weighers
- Medical weighing
- Check weighing scales
- Hopper scales & net weighing
- Platform sizes to 350 x 350mm (3kg~35kg)
- Platform sizes to 400 x 500mm (50kg~250kg)



FEATURES

- Marine grade anodised
- Dual design, increased capacity range
- 3 year warranty
- Protected with **SURESEAL™**
- Direct bolt replacement for industry standards
- Low sensitivity to off-center loading

<http://www.precisiontransducers.com>





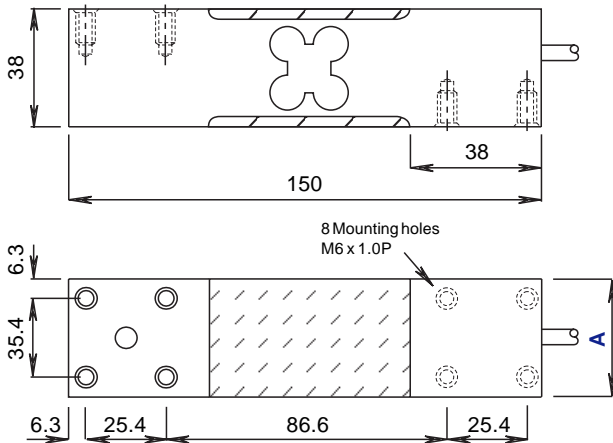
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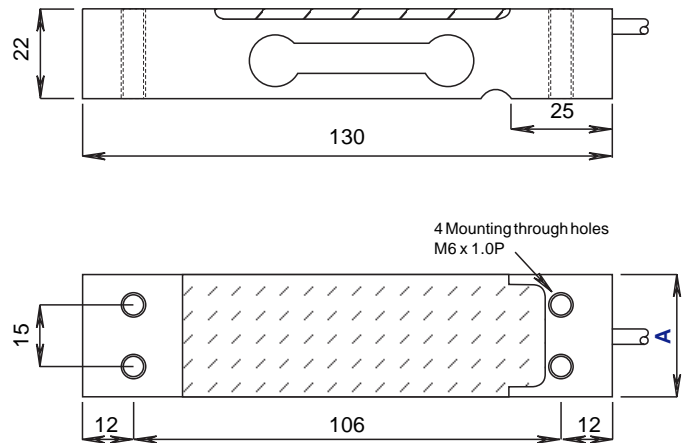
3kg~250kg

Capacity	A
3kg~7kg	25.4
10kg~30kg	30.0
35kg	38.0
50kg~250kg	38.0

50kg~250kg



3kg~35kg



Ordering Information

Capacity	Model
3kg	PT1000-3kg
5kg	PT1000-5kg
7kg	PT1000-7kg
10kg	PT1000-10kg
15kg	PT1000-15kg
20kg	PT1000-20kg
30kg	PT1000-30kg
35kg	PT1000-35kg
50kg	PT1000-50kg
100kg	PT1000-100kg
150kg	PT1000-150kg
200kg	PT1000-200kg
250kg	PT1000-250kg

Cable Colour Code

Excitation +ve	Red
Excitation -ve	Black
Signal +ve	Green
Signal -ve	White

Specifications

Rated Output ($\pm 10\%$)	2.0 mV/V
Total Error ⁽¹⁾	0.0300 $\pm\%$ of Applied Load
Zero Return after 30 mins	0.0500 $\pm\%$ of Applied Load
Temperature Effect (On Output/ $^{\circ}\text{C}$)	0.0030 $\pm\%$ of Applied Load
Temperature Effect (On Zero/ $^{\circ}\text{C}$)	0.0100 $\pm\%$ of Applied Load
Eccentric Loading (effect/cm)	0.0085 (3-35kg) 0.0074 (50-250kg) $\pm\%$ of Applied Load
Zero Balance	3.0 $\pm\%$ of Rated Output
Temperature Range (Operating)	-30 $^{\circ}$ to +70 $^{\circ}\text{C}$
Temperature Range (Compensated)	-10 $^{\circ}$ to +40 $^{\circ}\text{C}$
Safe Overload	150 $\pm\%$ of Rated Capacity
Ultimate Overload	300 $\pm\%$ of Rated Capacity
Excitation (Recommended)	10 Volts AC or DC
Excitation (Maximum)	15 Volts AC or DC
Input Impedance	415 ± 15 Ohms
Output Impedance	350 ± 3 Ohms
Insulation Impedance	> 5000 MegaOhms
Deflection at Rated Capacity	< 0.4 mm
Weight	0.2 kg (3-35kg) 0.6 kg (50-250kg)
Construction	Aluminium
Cable Type	4 Conductor Floating Screen
Cable Length	0.5 Metres (3-35kg) 1 Metre (50-250kg)
Environmental Protection	Standard: IP66

⁽¹⁾ Total Error: According to OIML R60



Precision Transducers Ltd.

Sales & Product Information

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<http://www.precisiontransducers.com>



Due to Precision Transducer's policy of continuous development, these specifications are subject to change without notice.

Manufactured in New Zealand

04/02m