

SG-PT1000 Series

Precision Transducers model SG-PT1000
Low cost single point load cell



Model SG-PT1000 is a new multi purpose low profile cell, designed for the modern volume scale maker who demands lower cost, smaller construction and improved performance.

In the lower capacities it is perfect for direct mounting in low cost low profile weighing platforms. In the higher capacities, where it maintains its low profile, typical applications include platforms, hanging scales and personal weighers.

Special humidity resistant protective seals and coatings, provide long term protection. Additional washdown encapsulation is available.

Sold in over sixty countries around the world and backed by twenty years of specialist load cell making skills, the PT1000 is a reflection of the state of the art.

Capacities: 0-3kg to 0-250kg

Aluminium Construction

Sealed and coated for environmental protection

350 x 350mm platform sizes up to 35kg

400 x 400mm platform sizes up to 250kg

Ideal model for mass produced electronic retail scales

Ideal for the competitive low cost, bench, personal and platform scale maker

Capacity	Order Code
0-3kg	SG-PT1000-3
0-5kg	SG-PT1000-5
0-7kg	SG-PT1000-7
0-10kg	SG-PT1000-10
0-15kg	SG-PT1000-15
0-20kg	SG-PT1000-20
0-30kg	SG-PT1000-30
0-35kg	SG-PT1000-35
0-50kg	SG-PT1000-50
0-100kg	SG-PT1000-100
0-150kg	SG-PT1000-150
0-200kg	SG-PT1000-200



SG-PT1000 Specifications

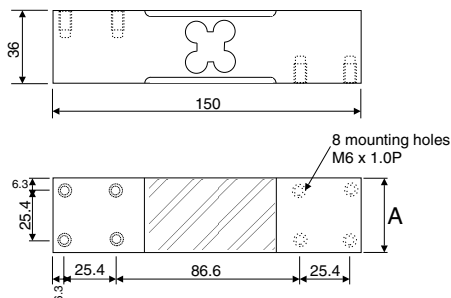
Rated Capacities (0kg up to the capacity at right)	3, 5, 7, 10, 15, 20, 35, 50, 100, 150, 200, 250 kg
Rated Output	2.0 ±10% mV/V
Total Error	0.030 ±% of applied load
Zero Return after 30mins	0.030 ±% of applied load
Temperature Effect:	on Output on Zero
	0.0030 ±% of applied load / °C 0.0100 ±% of applied load / °C
Eccentric loading	0.0085 (3-35kg) 0.0074 (50-250kg) ±% of applied load / cm
Zero Balance	3.0 ±% of rated output
Temperature Range:	Operating Compensated
	-30 to +70 °C -10 to +40 °C
Safe Overload	150% of rated capacity
Ultimate Overload	300% of rated capacity
Excitation:	Recommended Maximum
	10 Volts AC or DC 15 Volts AC or DC
Input Impedance	425 ±15 Ω
Output Impedance	350 ±3Ω
Insulation Impedance	>5000MΩ
Construction	Anodised Aluminium
Environmental Protection	Standard: IP66
Cable	0.5m up to 35kg, 1m from 50kg to 250kg

Capacity	dim. A
50, 100, 150kg	38.0
200, 250kg	38.0

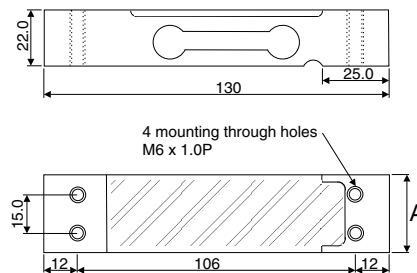
Capacity	dim. A
3, 5, 7kg,	25.4
10, 15, 20, 30kg	30.0
35kg	40.0

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

50kg-250kg



3kg-35kg



Outline Dimensions (mm) Not to scale