

Model PT3000

HIGH CAPACITY SINGLE POINT LOAD CELL



Having a high number of specific capacities and low sensitivity to off-center loading allows better selection for accuracy in high speed weighers, check weighers, hopper scales & net weighers.

Available in 9 capacities from 50kg to 635kg with a maximum platform size of 600mm x 600mm.

This is a perfect load cell for the light to medium bench and platform scale market.

Used extensively in process weighing, check weighing, bag filling and overhead track weighing.

The PT3000 is a robustly constructed marine grade anodised cell with SURESEAL protection to IP66.

APPLICATIONS

- Bench & platform scales
- Check weighers & bag fillers
- Process weighing

FEATURES

- Marine grade anodised finish
- Protected with **SURESEAL™**
- Compact size, metric thread
- Generous platform sizes to 600mm x 600mm

Specifications

Note: All specifications are a maximum, as a % (±) of full load, unless otherwise stated.

Nominal Capacity	50kg ~ 635kg	Input Impedance	425Ω ± 15Ω
Signal Output at Capacity	2mV/V ± 10%	Output Impedance	350Ω ± 3Ω
Linearity Error	< 0.020% FSO	Insulation Impedance	> 5000 MΩ at 100V DC
Non-Repeatability	< 0.010% FSO	Excitation Voltage (Recommended)	5 ~ 12V AC/DC
Combined Error	< 0.025% FSO	Excitation Voltage (Maximum)	15V AC/DC
Hysteresis	< 0.015% FSO	Eccentric Loading (effect/cm)	< 0.005% FSO
Creep/Zero Return (30 mins)	< 0.030% / 0.020% FSO	Deflection at Rated Capacity	< 0.4mm
Zero Balance	< 3.000% Capacity	Storage Temperature Range	-50 ~ 70°C
Temperature Effect on Span/10°C	< 0.010% FSO	Cable Type	4mm, Screened, PVC Sheath, PVC Jacket
Temperature Effect on Zero/10°C	< 0.015% Capacity		4 Core x 0.09mm ² (28 AWG)
Compensated Temperature Range	-10 ~ 40°C	Cable Length	3 Metres
Operating Temperature Range	-30 ~ 70°C	Net Weight	1.85kg
Service Load	100% of Rated Capacity	Material	Aluminium
Safe Load	150% of Rated Capacity	Finish	Marine Anodised
Ultimate Load	250% of Rated Capacity		



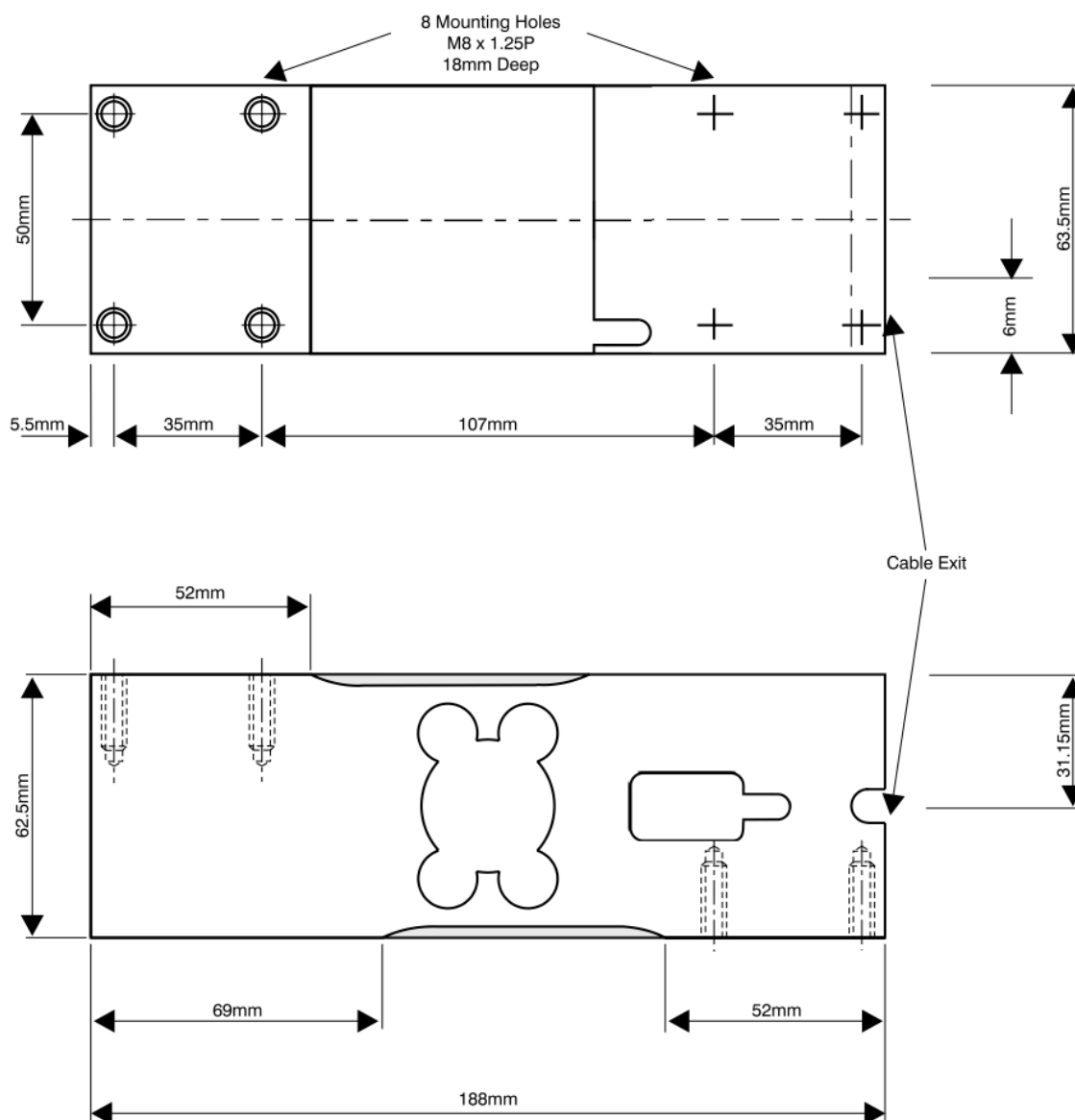
Manufactured in New Zealand

PT Limited®

<http://www.ptglobal.com>

Ordering Information

MODEL	Part Number	MODEL	Part Number	CABLES PACKS	Part Number
PT3000-50kg	30M0050A000XXX	PT3000-250kg	30M0250A000XXX	Junction box to indicator runs. Available by the metre.	
PT3000-75kg	30M0075A000XXX	PT3000-300kg	30M0300A000XXX	10 Metres	A-4C3.6-0010
PT3000-100kg	30M0100A000XXX	PT3000-500kg	30M0500A000XXX	50 Metres	A-4C3.6-0050
PT3000-150kg	30M0150A000XXX	PT3000-635kg	30M0635A000XXX	100 Metres	A-4C3.6-0100
PT3000-200kg	30M0200A000XXX			Cable Joint Kit	A-CAB-JOINTSTD



PT Cable Colour Code

Excitation	+ve	Red
Sense	+ve	Brown
Excitation	-ve	Black
Sense	-ve	Blue
Signal	+ve	Green
Signal	-ve	White