MULTI FUNCTION WEIGHT INDICATOR
PT600R

Power Supply

Back Shell & Desk Stand
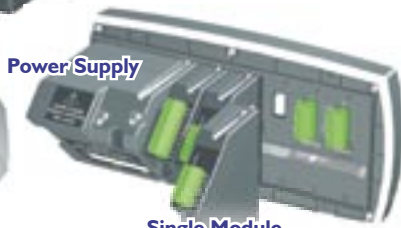
Single Module

The PT600R series indicators feature a totally new design concept combined with many important technological improvements that are totally new to the weighing industry.

The exceptionally large LCD display (29mm main digits) is complemented by super-bright LED backlighting to ensure easy reading in all lighting conditions (including bright sunlight).

The silicone keypads offer superb feedback with a precise soft-touch operation. There are three assignable function keys to alleviate confusion when performing special keystroke operations.

APPLICATIONS

- Weighbridges
- Platforms
- Counting
- Totalising
- Materials Testing
- Batching & grading

FEATURES

- 12 ~ 24V DC
- 16 x 350Ω cells
- Totalising & counting
- On-board serial outputs
- LARGE multi-line display
- Accepts optional modules
- Adjustable printing formats
- Transorb protected L/C input
- Adjustable conversion factors

SPECIFICATIONS

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

Resolution	Up to 100,000 Divisions. Minimum of 0.25µV/Division
Zero Cancellation	± 2mV/V
Span Adjustment	0.1mV/V ~ 3mV/V
Stability/Drift	Zero < 0.1µV/°C (+8ppm Deadload Max)
	Span < 8ppm/°C
	Linearity < 20ppm
	Noise < 0.2µVp-p
Excitation	7.4V for up to 16 x 350 or 32 x 700Ω Load Cells (4-wire or 6-wire plus shield)
	Maximum Total Load Cell Resistance: 1,000Ω
A/D Type	24bit Sigma Delta with ± 8,388,608 Internal Counts
Operating Environment	-10 ~ 50°C Ambient Temperature
	< 90% Non-Condensing Humidity
	-20 ~ 50°C Ambient Storage
	IP55 when panel mounted, or with rear boot (otherwise IP40)
Case Materials	ABS, Silicone Rubber, Nylon, Acrylic (no halogen used)
Packing Weights	Basic Indicator 0.6kg
Battery Backed Clock Calendar	Battery Life 10 Years Minimum

LCD with 4 Alpha-numeric Displays	LED Backlit
Primary Display:	6 x 28.4mm High Digits With Units & Annunciators
2nd Display:	9 x 17.6mm digits with units
3rd Display:	8 x 6.1mm digits 4th Display: 4x7.6mm digits
Setup & Calibration	Full Digital. Visual Prompting In Plain Messages
Digital Filter	Sliding Window Average 0.1 ~ 30 seconds
Zero Range	Adjustable ±2 ~ 20% Full Capacity
Standard Power Input	12 ~ 24V DC (15 VA max)
	ON/OFF Key With Memory Feature
Variants	110/240V AC 50/60HZ Input 12V DC 15VA Output
Optical Data Communications	Magnetically coupled optical communications support with opptional conversion cable which connects directly into a standard RS-232 Port
Correction	Ten Point Linearity Correction
Serial Outputs (Standard)	RS-485 transmit only for remote display
	RS-232 serial port for remote display, network or printer supports
	Transmission rate: 2400, 4800, 9600 or 19200 Baud
Assignable Funcion Keys	Printing, Unit Switching, Counting, Manual Hold, Peak Hold, Totalising

ORDERING INFORMATION

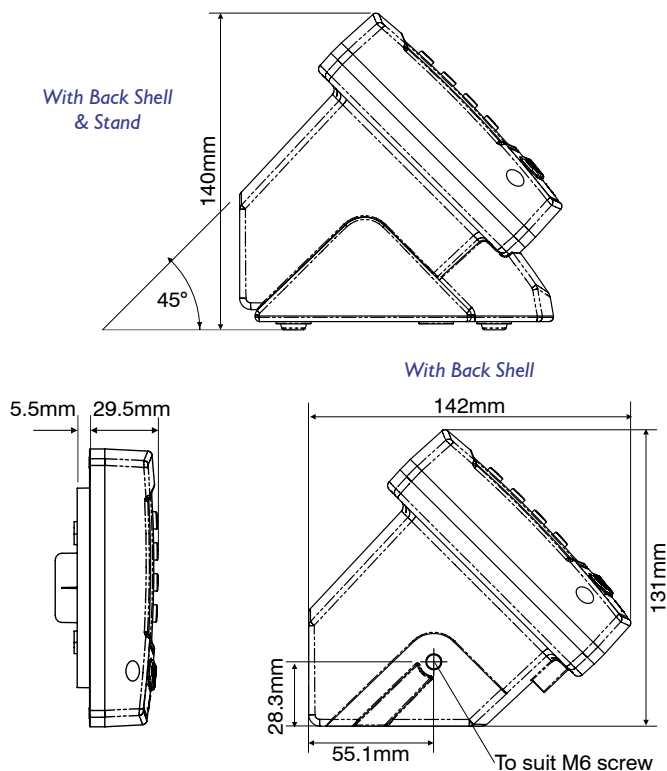| MODEL	Part Number
PT600R Modular Indicator 12 ~ 24V DC Panel Mount	EP600RI0000XXX
PT600R Modular Indicator 12 ~ 24V DC Desk Mount	EP600RI0010XXX
PT600R Modular Indicator Mains Power Desk Mount	EP600RI0020XXX

Pre-configured Models

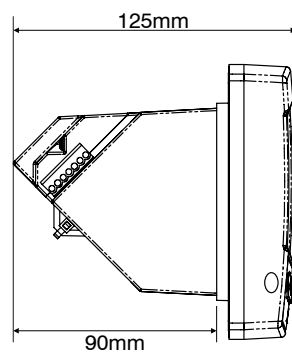|	Part Number
PT600R Weighbridge Configuration Pre-configured with EP600RI0020XXX + EO600RIOP1X232	EP600RI0030XXX
PT600R Setpoint Configuration Pre-configured with EP600RI0020XXX + EO600RIOP3XDIO	EP600RI0040XXX
PT600R Analogue Configuration Pre-configured with EP600RI0020XXX + EO600RIOP4XANA	EP600RI0050XXX

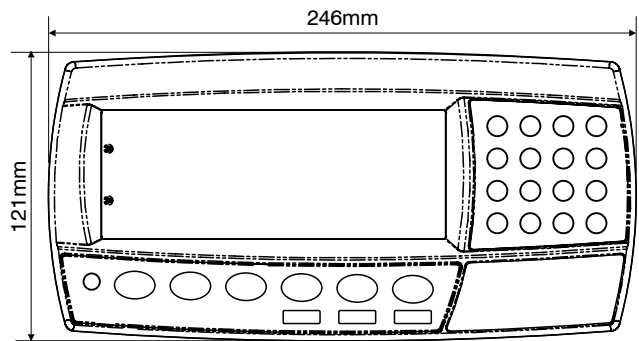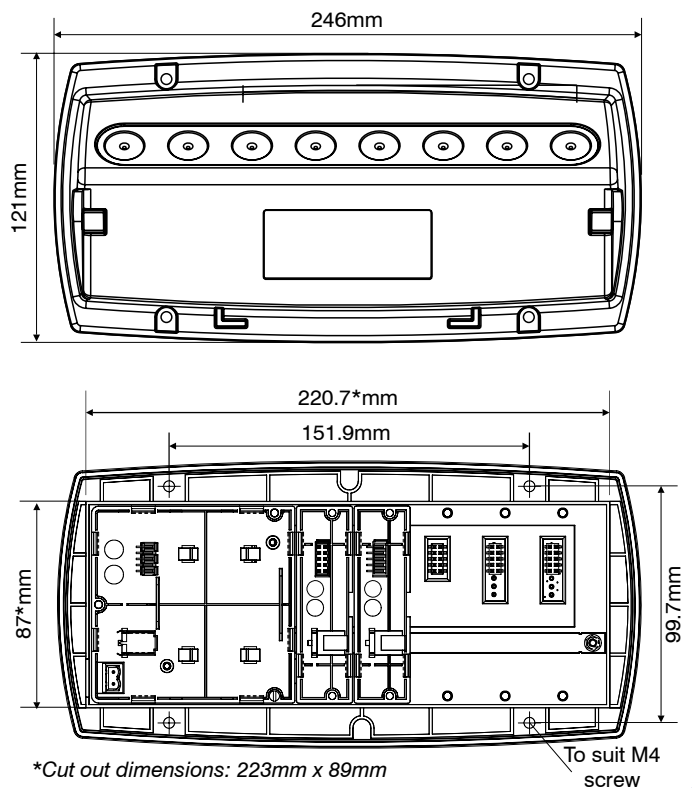| OPTIONS	Part Number
Desk Mount (Back Shell & Desk Stand)	EP600DESKMOUNT
Wall/Pole Bracket	EP600WALLBRACK
RS232 Option (RS232/RS232 Isolated)	EO600RIOP1X232
RS485 Option (RS485/RS485 Isolated)	EO600RIOP2X485
RS232/RS485 Option (RS232/RS485 Isolated)	EO600RIOP8XSER
Transistor Digital I/O (8 Isolated I/O) User configured Input or Output	EO600RIOP3XDIO
Analogue Module (Output 4 ~ 20mA, 0 ~ 10V DC + 2x I/O)	EO600RIOP4XANA
DSD MODULE	EO600RIOP5XDSD
AC Power Supply Module (110 ~ 240V AC Input) CE, C-tick, FCC approved	EO600RIOP6XACP
Button Module (4 x voltage free inputs) Inputs for use with switches and thumb wheels	EO600RIOP7XBUT

Side View

With Back Shell & Stand

140mm
45°

With Back Shell

5.5mm 29.5mm

142mm
131mm
28.3mm
55.1mm
To suit M6 screw

With Accessory Modules

125mm
90mm

PT Cable Colour Code

Excitation	+ve	**Red**
Sense	+ve	**Brown**
Excitation	−ve	**Black**
Sense	−ve	**Blue**
Signal	+ve	**Green**
Signal	−ve	**White**

Front View

246mm
121mm

Back View *With Rear Enclosure*

246mm
121mm

220.7*mm
151.9mm
87*mm
99.7mm

Cut out dimensions: 223mm x 89mm

To suit M4 screw

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