

PRECISION PT100 THERMOMETERS

- High accuracy ± 0.2 °C or 0.05 °C
- Interchangeable PT100 probes
- 0.1 °C or 0.01 °C resolution
- Meets the European Standard EN 13485

High accuracy is one of the notable features of the Precision thermometers. There are two models available, the Precision and Precision Plus. The Precision measures temperature over the range of -199.9 to 499.9 °C with a 0.1 °C resolution and high accuracy of ± 0.2 °C. The Precision Plus measures temperature over the range of -199.99 to 199.99 °C with a 0.01 °C resolution and high accuracy of ± 0.05 °C. **Please note:** the accuracies quoted are for the instruments only.

Conveniently located on the front of the instrument are the on/off, max/min and display hold buttons. The Binder probe socket is positioned at the top of the instrument which enables a variety of probes to be used depending on the application.

The Precision thermometers feature a large, easy to read, LCD display with open circuit 'Err' and low battery indication. Each thermometer is powered by three AAA batteries that give a minimum of 2000 hours battery life. The unit will power off automatically after ten minutes, maximising battery life. This feature can be disabled by the user, if required.

We offer a range of interchangeable PT100 Class A probes for use with the Precision thermometer, see page 83 for full details. The Precision Plus is supplied with a PT100 1/10th DIN liquid probe (160-222) and a UKAS Certificate of Calibration. For regularly checking the accuracy of each Precision thermometer, a range of calibration PT100 test caps complete with a UKAS Certificate of Calibration are available, see page 103 for details.



PT100 1/10th DIN liquid probe (160-222)

INDUSTRIAL



Order code	Description
222-053	Precision thermometer
222-051	Precision Plus thermometer
160-222	PT100 1/10 th DIN liquid probe
830-221	Protective silicone boot - white
832-050	S/steel wall bracket & boot

The Precision is exclusive of probe
The Precision Plus is inclusive of probe



OPTIONAL ACCESSORY:

- Protective silicone boot - the Precision/Precision Plus thermometers are splashproof to IP64 when used in conjunction with this boot. Various colours are available - see page 13



Specification	Precision	Precision Plus
Range	-199.9 to 499.9 °C	-199.99 to 199.99 °C
Resolution	0.1 °C	0.01 °C
Accuracy	± 0.2 °C	± 0.05 °C
Battery & life	3 x 1.5 volt AAA - 2000 hours	
Sensor type	PT100	
Display	10 mm LCD	
Dimensions	25 x 56 x 128 mm	
Weight	130 grams	

The Precision includes a traceable certificate of calibration
The Precision Plus includes a UKAS Certificate of Calibration