

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



0601

| 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