Precision PT100 Thermometers
0.1 °C or 0.01 °C resolution with a high accuracy

UKAS
CALIBRATION
0601

- high accuracy ±0.2 °C or 0.05 °C

- FREE certificate of calibration

- interchangeable PT100 probes

- 2 year guarantee

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.
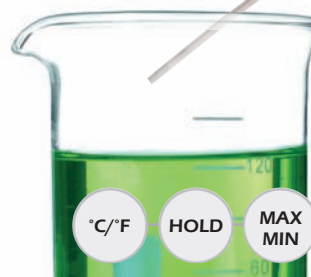
We offer a range of interchangeable PT100 Class A probes for use with the Precision thermometer, see page 66 for full details. The Precision Plus is supplied with a 160-222 PT100 1/10th DIN liquid probe and a UKAS Certificate of Calibration.

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 99 for details.

optional accessories

- protective white silicone boot - the Precision/Precision Plus thermometers are splashproof to IP64 when used in conjunction with this boot. Various colours are available - see page 14

- stainless steel wall bracket (*screws not supplied*) and protective white silicone boot (*832-050*)

- calibration PT100 test caps with UKAS certification for checking the accuracy of the precision thermometer - see page 99

°C/°F   HOLD   MAX MIN   AUTO OFF

2 YEAR GUARANTEE   MADE IN BRITAIN

order code	description	
222-053	Precision thermometer	
222-051	Precision Plus thermometer	
830-221	protective silicone boot - white	
832-050	s/steel wall bracket & boot	
222-053 Precision is exclusive of probe		
222-051 Precision Plus is inclusive of probe		

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	3 x 1.5 volt AAA	
battery life	2000 hours	
sensor type	PT100	
display	10 mm LCD	
dimensions	25 x 56 x 128 mm	
weight	130 grams	
222-053 Precision includes a traceable certificate of calibration		
222-051 Precision Plus includes a UKAS Certificate of Calibration		

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