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

- high accuracy ±0.2 °C or 0.05 °C

- max/min memory function

- interchangeable PT100 probes

- FREE certificate of calibration included

High accuracy is one of the outstanding 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 1.5 volt AAA batteries that gives a minimum of 2000 hours battery life. The units will power off automatically after ten minutes, maximising battery life. This feature can be disabled by the user, if required.

ETI offers a range of interchangeable PT100 Class A probes for use with the Precision thermometer, see page 56 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 87.

optional accessories

- protective silicone boot - the Precision/ Precision Plus thermometers are waterproof to IP63 when used in conjunction with this boot *(830-251)*

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

- PT100 test caps with UKAS Certificate of Calibration - see page 87

order code	description
222-053	Precision thermometer
222-051	Precision Plus thermometer
830-251	protective silicone boot
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		

°C HOLD MAX MIN AUTO OFF

THERMOLAB