

PT-100 Reference Thermometer

-200 to 200°C (-328 to 392°F)
Supplied with 5" Pt-100 sensor

Accuracy:

$\pm 0.05^{\circ}\text{C}$ from (-30°C to 150°C)
 $\pm 0.1^{\circ}\text{C}$ from (-50°C to 200°C)
 $\pm 0.1^{\circ}\text{F}$ from (-22°F to 302°F)
 $\pm 0.18^{\circ}\text{F}$ from (-58°F to 392°F)

Resolution: 0.01°

This Reference thermometer is ideal for comparison checking the calibration and accuracy of other thermometers and probes, when used in conjunction with a stable temperature source. The instruments measure temperature over the range of -199.99 to 199.99 °C with a resolution of 0.01 °C and an accuracy of $\pm 0.05^{\circ}\text{C}$.

The units feature a simple on/off push button with open circuit 'Err' and low battery indication, when applicable.

The Reference thermometer is supplied with a permanently attached, high accuracy probe incorporating a 1/10th DIN PT100 sensor. The probe measures $\varnothing 3.3 \times 130$ mm and is supplied with a one meter PVC lead.



Specifications

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|--------------|--|
| Range | -199.99 to 199.99°C (-328 to 392°F) |
| Resolution | 0.01° |
| Accuracy | $\pm 0.05^{\circ}\text{C}$ from (-30°C to 150°C) otherwise $\pm 0.1^{\circ}\text{C}$ |
| Battery | 3 x 1.5 volt AAA |
| Battery life | 2000 hours |
| Sensor type | Pt100 1/10 th DIN |
| Display | 10mm LCD |
| Dimensions | 25 x 56 x 128mm |
| Weight | 210 grams |

| <u>Catalog No.</u> | <u>Description</u> |
|--------------------|---|
| 650.012.3110 | Reference thermometer with 5 inch sensor. Supplied with NIST traceable, ISO/IEC 17025 accredited report of calibration at test points -20, 0, 50, 100, 150°C |
| 650.012.3210 | Reference thermometer with 5 inch sensor. Supplied with NIST traceable, ISO/IEC 17025 accredited report of calibration at test points -4, 32, 122, 212, 302°F |

Accessories

| <u>Catalog No.</u> | <u>Description</u> |
|--------------------|--|
| 650.012A | Rubber boot with probe holder for 650.012 Reference thermometer. |

