

## HIGHLIGHTS

- ✓ Accuracy up to  $\pm 0.008^{\circ}\text{C}$
- ✓ Resolution  $0.001^{\circ}\text{C}$
- ✓ Dual channels
- ✓ Data storage into USB flash drive as easy as plug-n-record



## OVERVIEW

AM8060 Precision Thermometer provides high accuracy, fast readings and great stability. It has two channels that can measure two Platinum Resistance Thermometers (PRTs) at the same time. Users can choose to display temperature in  $^{\circ}\text{C}$ ,  $^{\circ}\text{F}$  or resistance values of the two inputs as well as the differences between them. Readings can be stored in a USB flash disk or transferred to PC through an USB cable.

AM8060 Precision Thermometer allows users to choose ITS-90, IEC-751 (DIN), or Callendar-Van Dusen conversion methods to response to various PRTs. Users can also choose to key in calibration data of each PRT to ensure the best accuracy.

This dual-channel readout is a great choice for precision temperature measurement and calibration for both lab and field. It offers outstanding performance at a very affordable price.

## FEATURES

- High accuracy: up to  $\pm 0.008^{\circ}\text{C}$  at  $0^{\circ}\text{C}$
- High resolution:  $0.001^{\circ}\text{C}$  over the full range
- Temperature range:  $-200^{\circ}\text{C}$  to  $850^{\circ}\text{C}$
- Two inputs for reading two different sensors simultaneously
- Differential temperature measurement
- ITS-90, CVD, IEC-751
- 2.7 inch OLED display
- Full-size Touchpad for function control
- User key-in coefficients to ensure the best accuracy
- Data storage into USB flash drive
- Data transfer to PC using an USB cable

**SPECIFICATIONS**

<b>Temperature Range</b>	-200°C to 850°C
<b>Accuracy (meter only)</b>	±0.01°C @ -200°C ±0.008°C @ 0°C ±0.009°C @ 232°C ±0.01°C @ 420°C ±0.015°C @ 660°C
<b>Resolution</b>	0.001°C (0.0001 Ω) over full range
<b>Probe</b>	Nominal Rtpw: 25 Ω or 100 Ω RTD, PRT or SPRT
<b>Characterizations</b>	ITS-90 coefficients, Callender Van Dusen coefficients, IEC-751 (DIN 385)
<b>Sample Interval</b>	1 second
<b>Display</b>	2.7 inch OLED
<b>Display Units</b>	°C, °F, Ω
<b>Excitation Current</b>	1 mA, reversing
<b>Operation Range</b>	15 °C to 35 °C
<b>Thermometer Input Connectors</b>	Spade plug or bare wire
<b>Power Requirements</b>	100-240V
<b>Dimension</b>	180 mm (W) X 65 mm (H) X 200 mm (D)
<b>Weight</b>	0.3 kg (0.7 lbs)

**OPTIONAL ACCESSORIES**

<b>Model</b>	<b>Description</b>
1610/1620/1640/1660	Precision Industrial PRT, -200°C to 670°C
1730	Secondary Reference PRT, -200°C to 420°C
1750	Secondary Reference PRT, -200°C to 670°C
1760/1762	Secondary SPRT, -200°C to 670°C
1850	Metal-sheath SPRT, -200°C to 500°C
1860	Metal-sheath SPRT, -200°C to 670°C
1880	Metal-sheath SPRT with Bird-Cage sensor, -200°C to 670°C
1950	Quartz-sheath SPRT, -200°C to 500 °C
1960	Quartz-sheath SPRT, -200°C to 670 °C

**Ordering Information**

<b>Model</b>	<b>Description</b>
8060	Dual-channel Precision Thermometer
9003	Carrying case included