

# AM8060 Dual-Channel Precision Thermometer *AccuMac* Technology Inc



## FEATURES

Accuracy up to  $\pm 0.008^{\circ}\text{C}$

Resolution of  $0.001^{\circ}\text{C}$

Dual Channels

Data storage into USB flash drive as easy as plug-and-record

## OVERVIEW

The 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 drive or transferred to PC through a USB cable.

The AM8060 Precision Thermometer allows users to choose ITS-90, IEC-751 (DIN), or Callendar-Van Dusen conversion methods to respond to various PRTs. Users can also choose to key in calibration data for 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.

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## SPECIFICATIONS

	8060
Temperature Range	-260°C to 850°C
Accuracy (meter only)	±0.01°C at -200°C ±0.008°C at 0°C ±0.009°C at 232°C ±0.01°C at 420°C ±0.015°C at 660°C
Resolution	0.001°C (0.0001Ω) over full range
Probe	Nominal Rtpw: 25 Ω or 100 Ω RTD, PRT, or SPRT
Characterizations	ITS-90 coefficients, Callendar-Van Dusen coefficients, IEC-751 (DIN 385)
Sample Interval	1 second
Display	2.7 inch OLED
Display Units	°C, °F, Ω
Excitation Current	1 mA, reversing
Operation Range	15°C to 35°C
Thermometer Input Connectors	Spade plug, banana plug, or bare wire
Power Requirements	100-240V
Dimensions	180mm (W) x 65mm (H) x 200mm (D)
Weight	0.3 kg (0.7 lbs)

## ORDERING OPTIONS

Model	Description
9003	Carrying Case (included)
1660/1640/1620/1610	Precision Industrial PRTs
1751/1730/1710	Secondary Reference PRTs
1762/1760	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 "Birdcage" sensor, -200°C to 670°C
1950	Quartz-sheath SPRT, -200°C to 500°C
1960	Quartz-sheath SPRT, -200°C to 670°C