



## 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.

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

## SPECIFICATIONS

|                              | 8060   |
|------------------------------|--|
| Temperature Range            | -260°C to 850°C  |
| Accuracy (meter only)        | ±0.01°C at -200°C<br>±0.008°C at 0°C<br>±0.009°C at 232°C<br>±0.01°C at 420°C<br>±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                       | 0.7 kg (1.51 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                       |

Address: 90 N William Dillard Drive C-107, Gilbert, AZ 85233  
 Phone: 480-634-0603  
 Web: [www.accumac.com](http://www.accumac.com)

For Technical Help: [lab@accumac.com](mailto:lab@accumac.com)  
 For Sales: [sales@accumac.com](mailto:sales@accumac.com)