MODEL MI9060

Precision Thermometer

- *Accuracy ±0.01°C*
- *Resolution 0.001°C*
- *Dual channels*
- *Data storage into USB flash disk*
- *Wireless data transfer to PC*

MODEL INFORMATION

Feature

- High accuracy: ±0.01 °C over full range
- High resolution: 0.001 °C over the full range
- Temperature range: -200 °C to 850 °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
- Flexible interface with user key-in coefficients
- Data storage into USB flash disk
- Wireless data transfer to PC with an optional wireless module

Overview

MI9060 Precision Thermometer provides high accuracy, fast readings and great stability. It comes with dual channel measurement of temperature with Platinum Resistance Thermometers (PRTs). The temperature of each input and their temperature difference are displayed simultaneously. All of the readings can be stored in a USB flash disk or transferred to PC through a wireless module.

MI9060 Precision Thermometer allows users to choose ITS-90, IEC-751 (DIN), or Callendar-Van Dusen conversion methods to response various PRTs. It is a perfect choice for precision temperature measurement and calibration. It's also a top choice as temperature reference for Drywell Calibrators and Temperature Bath.

Specifications:

Temperature Range	-200°C to 850°C, depending on PRT used
Accuracy (MI9060 only)	±0.01°C over full range
Accuracy (MI9060 & MI1860)	-200 °C (±0.016 °C), 0 °C (±0.011 °C), 670 °C (±0.021 °C)
Resolution	0.001°C (0.0001 Ω) over full range
Probe	Nominal Rtpw: 25 Ω or 100 Ω IPRT, PRT or SPRT
Characterizations	ITS-90 coefficients, Callender 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 or bare wire
Power Requirements	100-240 V
Dimension	180 mm (W) X 65 mm (H) X 200 mm (D)
Weight	0.3 kg (0.7 lbs)

Optional Accessories:

Model	Description
MI8000-WLM	Wireless module for MI9060 precision thermometer
MI1610-12/9/6	Precision Industrial PRT, -60°C to 160°C
MI1620-12/9/6	Precision industrial PRT, -60°C to 300°C
MI1640-12	Precision industrial PRT, -200°C to 420°C
MI1660-12	Precision industrial PRT, -200°C to 670°C
MI1730-12	Secondary Reference PRT, -200°C to 420°C
MI1750-12/20	Secondary Reference PRT, -200°C to 670°C
MI1850	Metal-sheath SPRT, -200°C to 500°C
MI1860	Metal-sheath SPRT, -200°C to 670°C
MI1950	Quartz-sheath SPRT, -200°C to 500 °C
MI1960	Quartz-sheath SPRT, -200°C to 670 °C