AM8040 Single-Channel Precision Thermometer

AccuMac Technology Inc

Danetech srl
Via Italo Calvino 7
Lotto 1 - Edificio A13-14
20017 Rho (MI)
Tel. +39 02 36569371
info@danetech.it
www.danetech.it

FEATURES

Accuracy up to ±0.008°C

Resolution of 0.001°C

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

OVERVIEW

The AM8040 is a single-channel bench-top Precision Thermometer. It features high accuracy, fast readings, and great stability. It operates with a wide range of Platinum Resistance Thermometers (PRTs). Users can choose to display temperature in °C, °F or resistance values. All of the readings can be stored in a USB flash drive or transferred to PC through a USB cable.

The AM8040 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 PRT coefficients to ensure the best accuracy.

The AM8040 provides a simple solution as a PRT readout to achieve high accuracy at a very affordable price for calibration labs.

Address: 90 N William Dillard Drive C-107, Gilbert, AZ 85233
Phone: 480-634-0603
Web: www.accumac.com

For Technical Help: info@accumac.com
For Sales: sales@accumac.com

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SPECIFICATIONS

	8040
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

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