

Thermistor Meters

Series 860



- ✓ Comes with Certificate Stating NIST-Traceability
- ✓ Computable with All Series "400" Thermistor Sensors and Probes
- ✓ Rugged
- ✓ 0.1° Resolution
- ✓ Economical and Accurate

Specifications

Sensor: OMEGA® Series 400 Thermistor (2252 Ω @ 25°C); or thermistors with 44004 element

Accuracy: Includes repeatability, temperature coefficient (18 to 28°C ambient), times stability (1 year) and linearization conformity errors; excludes probe errors

Repeatability: 0.1°C (0.2°F) typical for 1 week at constant ambient temperature

Temperature Coefficient: 18 to 28°C (64 to 82°F); included in accuracy specification; less than 18°C (64°F) or greater than 28°C (82°F) less than $\pm (0.06\% \text{ rdg} + 0.01^\circ\text{C})/^\circ\text{C}$

Linearization: Ratiometric dual slope A/D with continuous linearization

Mating Connection: ¼" phone jack; model PPM-2

Display: 3½ digit LCD, 13 mm (0.5") height; polarity, decimal point, open sensor and overrange indication

Reading Rate: 1.5 per second

Battery Life: 350 hours typical, with 9 V alkaline battery (included)

Battery Indicator: Display reads "LO BAT" when less than 10% of life remains

Environmental Limits:

Operating: -10 to 50°C (14 to 122°F), less than 80% RH, up to 35°C

Storage: -35 to 60°C (-31 to 140°F), less than 90% RH, up to 35°C

Maximum Common Mode Voltage: 42 V peak

Dimensions: 160 x 69 x 31 mm (6.3 H x 2.7 W x 1.2" D)

Net Weight: 210 g (7.5 oz)

Phone plug connector provided FREE with each unit.

865F shown smaller than actual size.



The 865F and 866C thermistor thermometers offer exceptional value combining thermistor accuracy, heavy duty construction and probe interchangeability.

To Order

Model No.	Setting	Range	Resolution	Accuracy
865F	200°F	-70.0 to -40.1°F	0.1°F	$\pm(0.3\% \text{rdg} + 1.0^\circ\text{F})$
		-40.0 to 199.9°F	0.1°F	$\pm(0.3\% \text{rdg} + 0.5^\circ\text{F})$
	300°F	-70 to 300°F	1°F	$\pm(0.3\% \text{rdg} + 1^\circ\text{F})$
866C	150°C	-55.0 to -40.1°C	0.1°C	$\pm(0.3\% \text{rdg} + 0.6^\circ\text{C})$
		-40.0 to 150.0°C	0.1°C	$\pm(0.3\% \text{rdg} + 0.3^\circ\text{C})$

Accessories

Model No.	Description
CAL-3-HH	NIST-traceable calibration with points
SC-800	Soft carrying case
PPM-2	Extra mating phone plug
MN1604	9 V alkaline battery
EXPP-2CU-24S-50	Extension wire for Series 400 thermistors, 24 gage polyvinyl insulation, 15 m (50')
OT-201-1/2	½ oz jar of high thermal conductivity paste for fast surface measurements

Comes with battery, operator's manual, and phone plug (PPM-2).

Ordering Example: 865F, thermistor thermometer, in fahrenheit readout. OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years.