

# Thermistor Meters

Series 860  
**\$199**  
 All Models



No Points

Phone plug connector provided FREE with each unit.

865F, \$199, shown smaller than actual size.

- ✓ 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 ± (0.06% rdg + 0.01°C)/°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)

OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners

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



Sensor sold separately. See OMEGA's complete line of thermistor probes and handles in Section D.

## ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)					
Model No.	Price	Setting	Range	Resolution	Accuracy
865F	\$199	200°F	-70.0 to -40.1°F	0.1°F	±(0.3%rdg + 1.0°F)
			-40.0 to 199.9°F	0.1°F	±(0.3%rdg + 0.5°F)
		300°F	-70 to 300°F	1°F	±(0.3%rdg + 1°F)
866C	199	150°C	-55.0 to -40.1°C	0.1°C	±(0.3%rdg + 0.6°C)
			-40.0 to 150.0°C	0.1°C	±(0.3%rdg + 0.3°C)
Accessories					
Model No.	Price	Description			
CAL-3-HH	\$75	NIST-traceable calibration with points			
SC-800	10	Soft carrying case			
PPM-2	2.50	Extra mating phone plug			
MN1604	3	9 V alkaline battery			
EXPP-2CU-24S-50	39	Extension wire for Series 400 thermistors, 24 gage polyvinyl insulation, 15 m (50')			
OT-201-1/2	5	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, \$199. OCW-3, OMEGACARE<sup>SM</sup> extends standard 1-year warranty to a total of 4 years (\$49) \$199 + 49 = \$248.



#### UNITED STATES

[www.omega.com](http://www.omega.com)  
1-800-TC-OMEGA  
Stamford, CT.

#### CANADA

[www.omega.ca](http://www.omega.ca)  
Laval(Quebec)  
1-800-TC-OMEGA

#### GERMANY

[www.omega.de](http://www.omega.de)  
Deckenpfronn, Germany  
0800-8266342

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)  
Manchester, England  
0800-488-488

#### FRANCE

[www.omega.fr](http://www.omega.fr)  
Guyancourt, France  
088-466-342

#### CZECH REPUBLIC

[www.omegaeng.cz](http://www.omegaeng.cz)  
Karviná, Czech Republic  
596-311-899

#### BENELUX

[www.omega.nl](http://www.omega.nl)  
Amstelveen, NL  
0800-099-33-44



## More than 100,000 Products Available!

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### • Flow and Level

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### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

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Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

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### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters