

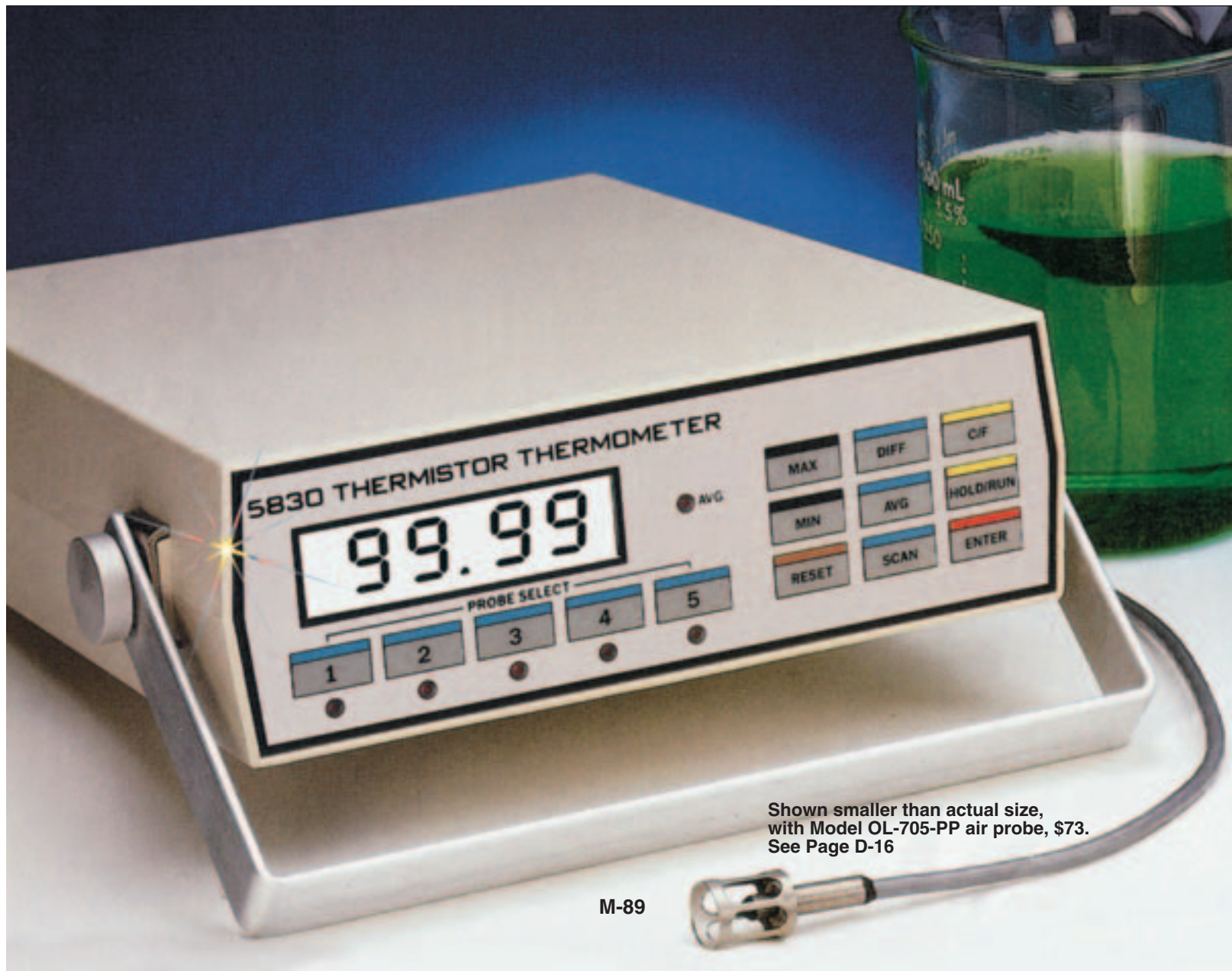
Benchtop Precision Thermistor Thermometers

Model 5831
\$687
Shown



- ✓ 0.01° Resolution with °C/°F Switching
- ✓ ±0.2°C Accuracy
- ✓ Touch Select Five Sensor Inputs
- ✓ Uses 400 and 700 Series Thermistors
- ✓ 6-Digit LCD Display with MIN/MAX, Average and Differential Readings
- ✓ Portable Design Works with 115 and 230 Vac Power
- ✓ Optional Rechargeable Ni-Cad Batteries Provide 8 Hours of Portable Use
- ✓ Optional Carrying Case

OMEGA's lightweight, portable 5830 digital thermistor thermometer provides precision temperature measurement, accuracy and high repeatability. With five sensor inputs (Series 400 or 700 probes), the 5830 is extremely versatile. Any of the five temperatures can be displayed by touching the appropriate panel switch. In addition, the 5830 displays maximum, minimum, average and differential temperatures. Two models are available: the 5830 features 0.1° resolution, while the 5831 has 0.01° resolution.



Shown smaller than actual size,
with Model OL-705-PP air probe, \$73.
See Page D-16

Specifications

Sensor Types: 400 Series (2252 Ω @ 25°C (77°F) or 700 Series linear thermistor

Ranges: -30 to 100°C (-22 to 212°F)

Resolution: 0.01° for 700 Series probe; 0.01° for 400 Series probe, -30 to 70°C (-22 to 158°F) range, 0.02° for 70 to 100°C (158 to 212°F) range

Accuracy: ±0.20°C (0.36°F)

Input Connections: Phone plug

Ambient Temperature Range: 0 to 50°C (32 to 122°F)

Response Time: Less than 800 ms, excluding probe



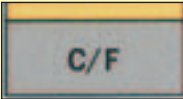

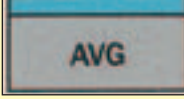

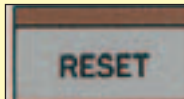
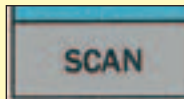
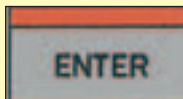
Power: 115/230 Vac includes ac adaptor,

Ni-Cad batteries optional

Reading Rate: 2 per second, nominal

Dimensions: 61 H x 184 W x 201 mm D (2.4 x 7.25 x 7.9")

Weight: 0.9 kg (2 lb)

		
Display maximum reading	Temperature difference between any two channels	Select temperature units
		
Display minimum reading	Temperature average between any 2, 3, 4, or all 5 inputs	Freeze the current display
		
Clear and reset the min/max values	Display scan any 2, 3, 4, or all 5 inputs	Puts the unit into set-up and operation modes

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model Number	Price	Description
5830	\$628	Thermometer with 0.1° resolution
5831	687	Thermometer with 0.01° resolution
5830-A	742	5830 with 10 mV/degree analog output
5831-A	800	5831 with 10 mV/degree analog output
5830-BATT	100	Field installable Ni-Cad battery pack
5830-CAL-KIT	150	Field calibration kit
5830-CC	75	Carrying case

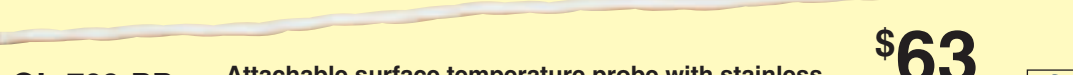
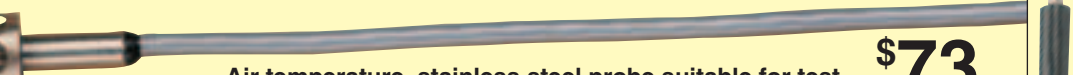


Unit comes complete with ac adaptor and operator's manual.

OMEGACARESM extended warranty program is available for models shown on this page.

Ask your sales representative for full details when placing an order.

Ordering Example: 5830-A, benchtop thermometer with 10 mV/degree analog output, \$742
 OCW-3 OMEGACARESM extends standard 1-year warranty to a total of 4 years (\$185),
 \$742 + 185 = \$927.

700 Series Thermistor Probes with Phone Plug Connector

	OL-709-PP	Attachable surface temperature probe with stainless steel cup and epoxy back. Easy to tape on flat surfaces.	\$63
	OL-705-PP	Air temperature, stainless steel probe suitable for test rooms, incubators and remote air readings.	\$73
	OL-703-PP	Tubular, stainless steel probe for rugged duty. Often used for liquid immersion. Immersible only to transition fitting.	\$70
	OL-710-PP	Tubular stainless steel probe with pipe fitting. Suitable for use in pipes or closed vessels.	\$75

See Page D-16 for additional 400 and 700 Series probes.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

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

• Data Acquisition

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

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• 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