

# Benchtop Precision Thermistor Thermometers

5830 Series  
**\$890**

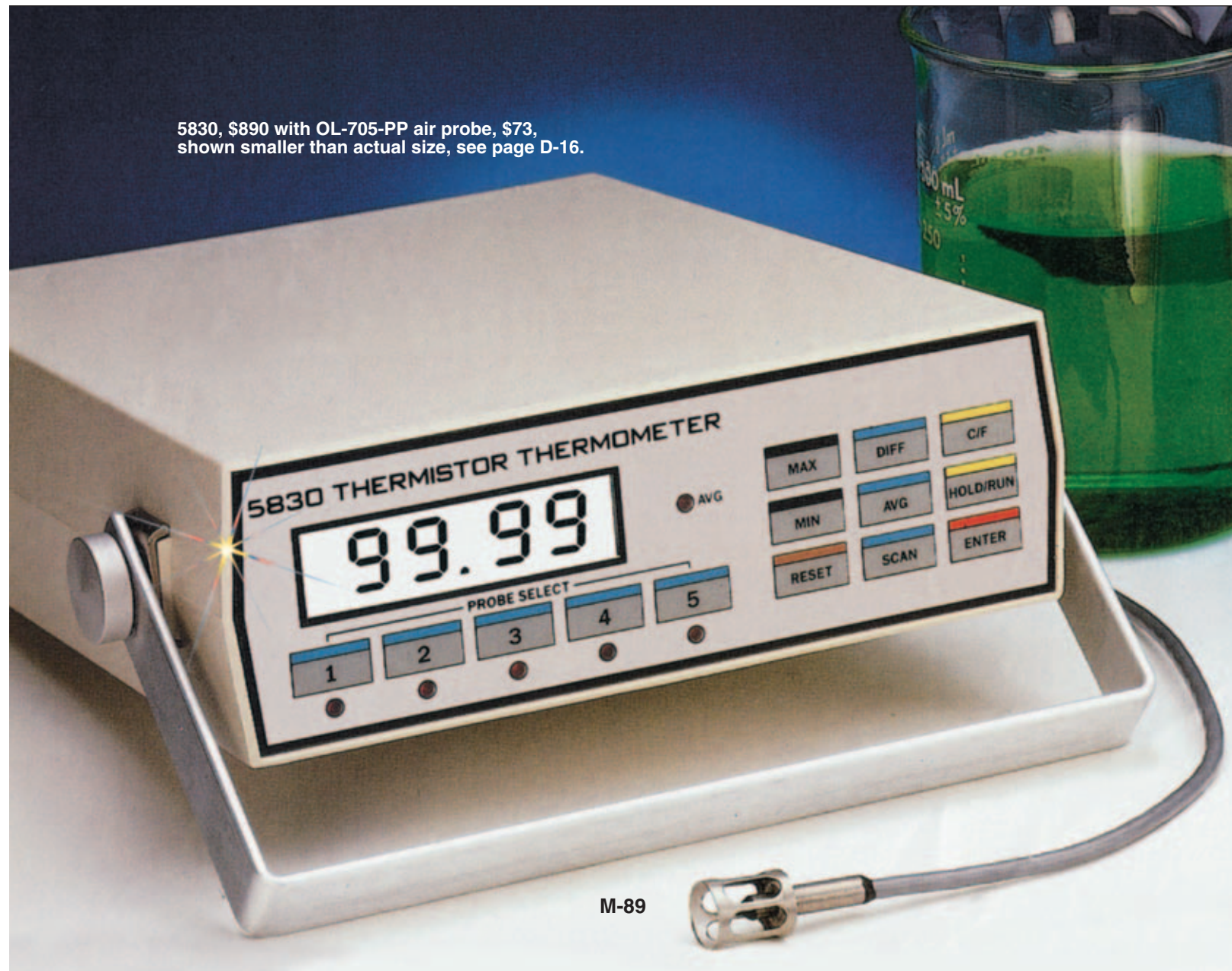


OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners.

- ✓ 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.

5830, \$890 with OL-705-PP air probe, \$73, shown smaller than actual size, see page D-16.



## Specifications

**Sensor Types:** 400 Series (2252  $\Omega$  @ 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:**  $\pm 0.20^\circ\text{C}$  (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)

<b>MAX</b>	<b>DIFF</b>	<b>C/F</b>
Display maximum reading	Temperature difference between any two channels	Select temperature units
<b>MIN</b>	<b>AVG</b>	<b>HOLD/RUN</b>
Display minimum reading	Temperature average between any 2, 3, 4, or all 5 inputs	Freeze the current display
<b>RESET</b>	<b>SCAN</b>	<b>ENTER</b>
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

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

Model Number	Price	Description
5830	\$890	Thermometer with 0.1° resolution
5831	990	Thermometer with 0.01° resolution
5830-A	1100	5830 with 10 mV/degree analog output
5831-A	1150	5831 with 10 mV/degree analog output
5830-CAL-KIT	150	Field calibration kit

Comes complete with ac adaptor and operator's manual.

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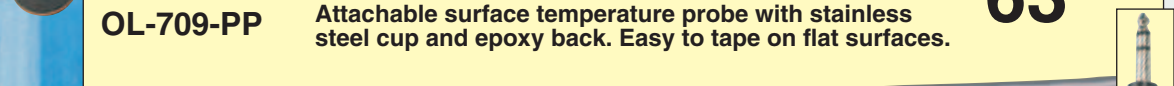
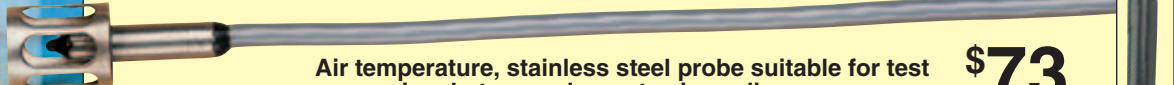
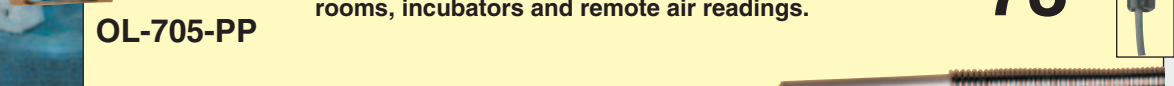
Ask your sales representative for full details when placing an order.

**Ordering Examples:** 5830-A, benchtop thermometer with 10 mV/degree analog output, \$1100.

OCW-3, OMEGACARE<sup>SM</sup> extends standard 1-year warranty to a total of 4 years, (\$275), \$1100 + 275 = \$1375.

5831, benchtop thermometer, \$990.

## 700 Series Thermistor Probes with Phone Plug Connector

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

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



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