

Thermocouple Thermometer with Dual Inputs

Model 871A
\$310

871A, \$310,
 shown smaller
 than actual size.



- ✓ Certificate Stating NIST-Traceability (No Points) Included
- ✓ Type K Thermocouple
- ✓ Heavy-Duty Construction
- ✓ 0.1° and 1° Resolution
- ✓ °C/°F Switchable
- ✓ 0.25% Accuracy
- ✓ Linearized Analog Output

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

Analog Output: 1 mV/°C (5/9 mV/°F) on 200° ranges; 0.1 mV/°C (5/90°F) on other ranges

Analog Output Accuracy: ±3% ±1 mV on 200° ranges; ±3% ±0.1 mV on other ranges (±5% for 872A)

Environmental Limits:

Operating: 0 to 50°C (32 to 122°F)

Storage: -35 to 60°C (-31 to 140°F)

Maximum Common Mode Voltage: 500V

Dimensions: 178 H x 78 W x 42 mm D (7 x 3.1 x 1.6")

Net Weight: 300 g (10.6 oz)

Accessories Supplied: Battery, user's manual, thermocouple, TAS adaptor



Specifications

Accuracy: ±(0.25% of rdg + 1.8°F) for 1 year, 18 to 28°C (64 to 82°F) ambient; includes NIST conformity (no data points), cold junction compensation and repeatability errors; excludes thermocouple errors

Repeatability: ±0.2°C typical for 1 week at constant ambient temperature

Temperature Coefficient: 18 to 28°C (64 to 82°F); included in accuracy specification; 0 to 18°C (32 to 64°F) and 20 to 50°C (82 to 122°F); less than ±(0.025% of reading) + 0.1°C/°C

Linearization: Multislope A/D with 11 piece-wise linear segments from -40 to 1370°C (-40 to 1999°F)

Display: 3½ digit LCD, 15 mm (0.6") height, polarity, decimal point, open sensor, overrange and open thermocouple indication

Reading Rate: 2.5 per second

Battery Life: 100 hours typical, with 9V alkaline battery (included)



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

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

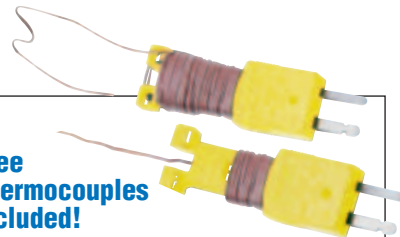
Model No.	Price	Setting	Range	Resolution	Accuracy
871A K	\$310	200°F	-40.0 to 199.9°F	0.1°F	(±0.25% rdg + 1.8°F)
		2000°F	-40 to 1999°F	1°F	
CHROMEGA [®] -ALOMEGA [®]		200°C	-40.0 to 199.9°C	0.1°C	(±0.25% rdg + 1°C)
		1370°C	-40 to 1370°C	1°C	

Accessories

Model No.	Price	Description
SC-GG-K-30-36	\$15.00	Thermocouple sensors (supplied with unit)
SC-800	10.00	Soft carrying case
SMP-K-F	2.25	Miniature thermocouple connector (female)
SMP-K-M	1.75	Miniature thermocouple connector (male)
KTSS-HH	29.00	General purpose miniature probe for handheld meters (shown below)
MN1604	3.00	9V alkaline battery
OT-201-2	7.50	2 oz jar of high thermal conductivity paste for fast surface measurements
CAL-3-HH	75.00	NIST-traceable calibration with points

Comes complete with 9V battery, operator's manual, thermocouple, TAS adaptor.

Ordering Example: 871A, Type K dual input thermometer, and KTSS-HH, Type K meter probe, \$310 + 29 = \$339. OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years (\$77), \$310 + 77 = \$387.



Free Thermocouples Included!

871A includes 2 free 1 m (40") Type K insulated beaded wire thermocouples with subminiature connector and wire spool caddy (1 per channel).
Order Two Spares!
 Model No. SC-GG-K-30-36, \$15/ea (2 for \$30).



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• Heaters

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