

SPER

SCIENTIFIC LTD.

YOUR SOURCE FOR LABORATORY THERMOMETERS AND HYGROMETERS



ULTIMATE THERMOMETER 800043

This unique thermometer combines Infrared, RTD and thermocouple capabilities in a single unit. With Ultimate Thermometer you're certain to have a solution for every temperature measurement application you encounter. For general purpose applications choose any type K, J, R, E, or T thermocouple probe. Need a very precise temperature reading? Use the PT100 RTD probe. Want to measure the temperature inside a furnace? Just point the built-in IR thermometer which features a laser guide and adjustable emissivity. The distance-to-spot ratio is approximately 7:1. Other sophisticated features include RS232 computer interface, C & F selection, min-max memory, relative temperature, auto power off and hold. **Has a convenient tripod back** and an easy to read back lit display with large 1/2" high digits. Comes in a hard carrying case, with an RTD probe and a 9V battery. Weight 9 oz (260 gr.) Dim: 7 7/8" x 2 3/4" x 1 1/4" (120 x 75 x 30 mm). Patent pending.



With N.I.S.T. traceable certificate of compliance 800043C

Rev. 03/21/01

Probe	Range	Resolution	Accuracy (meter only)
Pt 100	-200 ~ 850°C -328 ~ 1562°F	0.1°	$\pm(0.2\% + 0.5^{\circ}\text{C})$ $\pm(0.2\% + 1^{\circ}\text{F})$
Type K	-100 ~ 1300°C -148 ~ 2372°F		
Type J	-100 ~ 1150°C -148 ~ 2102°F		
Type T	-100 ~ 400°C -148 ~ 752°F		
Type E	-100 ~ 900°C -148 ~ 1652°F		
Type R	0 ~ 600°C 601 ~ 1700°C 32 ~ 1112°F 1113 ~ 3092°F	1°	$\pm(1\% + 5^{\circ}\text{C})$ $\pm(1.5\% + 5^{\circ}\text{C})$ $\pm(1\% + 10^{\circ}\text{F})$ $\pm(1.5\% + 10^{\circ}\text{F})$
Infrared	-20 ~ 400°C -4 ~ 752°F		

OPTIONAL ACCESSORIES

800044 Replacement PT100 RTD Probe

840051 Datalogger with Data Lab Graphical Software v.1.03 or higher

840053 Data Lab Graphical Software v.1.03 or higher

800057 RS232 Cable

840090 Water Resistant Instrument Pouch

840093 Field Tripod