SPER SCIENTIFIC

Ultimate Thermometer

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 use any standard type K, J, R, E, or T thermocouple probe. Need a very precise temperature reading? Use the PT100 RTD probe included. Want to measure the temperature inside a furnace? Just point the built-in IR thermometer which features a laser guide and adjustable emissivity. Other sophisticated features include C & F selection, min/max memory, relative temperature, auto power off, and hold. Has a tripod back and an easy to read back lit display with large ½" high digits. Comes in a hard carrying case and a 9V battery. N.I.S.T. traceable certificate of compliance available. Certificate includes separate tests for- IR, RTD, & Type K.

DIM: 7⅞" × 2¾" × 1¼" (199 × 70 × 32 mm). WEIGHT: 9 oz (255 g).

No.	Description
800043	Ultimate Thermometer
800043C	Ultimate Thermometer Certified
800044	Replacement PT100 RTD Probe
80060-97	Type J/K Thermocouple Probes
840094	RS232 to USB Adaptor Cable
840090	Water Resistant Instrument Pouch
840093	Field Tripod

Probe	Range	Resolution	Accuracy (meter only)
Pt 100	-200 to 850°C / -328 to 1562°F	0.1°	±(0.2% + 0.5°C) / ±(0.2% + 1°F)
Type K	-100 to 1300°C / -148 to 2372°F		
Type J	-100 to 1150°C / -148 to 2102°F		
Type T	-100 to 400°C / -148 to 752°F		
Type E	-100 to 900°C / -148 to 1652°F		±(0.2% + 0.8°C) / ±(0.2% + 2°F)
Type R	0 to 600°C / 601 to 1700°C 32 to 1112°F / 1113 to 3092°F	1°	±(1% + 5°C) / ±(1.5% + 5°C) ±(1% + 10°F) / ±(1.5% + 10°F)
Infrared	-20 to 400°C / -4 to 752°F		±3% rdg or ±3°C (5°F), which ever is greater

Scan this QR code to view our product demo.