

**Infrared, RTD and thermocouple capabilities in a single unit**

With the 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 easel back and an easy-to-read backlit display with large 1/2" high digits. Comes in a hard carrying case with an RTD probe and a 9V battery.



DIM: 7 7/8" x 2 3/4" x 1 1/4" (120 x 75 x 30 mm). WEIGHT: 9 oz (260 g). PATENT PENDING.



No.	Description
<b>800043</b>	<b>Ultimate Thermometer</b>
<b>800043C</b>	<b>Ultimate Thermometer Certified</b>
800044	Replacement PT100 RTD Probe
840057	RS232 Computer Cable
840090	Water Resistant Instrument Pouch
840093	Field Tripod
840094	RS232 to USB Adaptor Cable
850080	Software

Probe	Range	Res.	Accuracy (meter only)
Pt 100	-200 ~ 850°C -328 ~ 1562°F		±(0.2% + 0.5°C) ±(0.2% + 1°F)
Type K	-100 ~ 1300°C -148 ~ 2372°F	0.1°	
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°	±(1% + 5°C) ±(1.5% + 5°C) ±(1% + 10°F) ±(1.5% + 10°F)
Infrared	-20 ~ 400°C -4 ~ 752°F		±3% rdg or ±3°C (5°F), which ever is greater