

Product Specifications

ThermoTrace® BLE Infrared Thermocouple Probe Combo Thermometer

Field of View	8:1
Infrared Measurement Range	-76°F to 662°F (-60°C to 350°C)
Probe Measurement Range	-76°F to 662°F (-60°C to 350°C)
Operating Range	32°F to 122°F (0°C to 50°C)
Infrared Accuracy	Object Temperature: $\pm 1.1^\circ\text{F}$ from 59°F to 95°F ($\pm 0.6^\circ\text{C}$ from 15°C to 35°C) Ambient Temperature: 68°F to 78.8°F (20°C to 26°C) -76°F to 0°F: $\pm 2^\circ\text{F} + 0.1/\text{degree}$ (-60°C to 0°C: $\pm 1^\circ\text{C} + 0.1/\text{degree}$) 0°F to 149°F: $\pm 2^\circ\text{F}$ (0°C to 65°C: $\pm 1^\circ\text{C}$) 149°F to 662°F: $\pm 1.5\%$ of reading (65°C to 350°C: $\pm 1.5\%$ of reading)
Probe Accuracy	< 23°F: $\pm 2^\circ\text{F}$ (< -5°C: $\pm 1^\circ\text{C}$) 23°F to 149°F: $\pm 1^\circ\text{F}$ (-5°C to 65°C: $\pm 0.5^\circ\text{C}$) > 149°F (> 65°C): $\pm 1\%$ of reading
Response Time	Less than 1 second
Display Hold Time	30 seconds
Display Resolution	0.5°F (0.2°C)
Emissivity Range	Factory set at 0.95 - adjustable 0.1 to 1.00 step 0.01
Battery & Battery Life	AAA x 2 IRT Mode: Typical 22 hrs; min. 20 hrs continuous use (with laser) COT Mode: Typical 207 hrs; min. 200 hrs continuous use
Sighting Method	Multi-beam laser
Dimensions	1.56in x 2.12in x 6.22in (39.5mm x 53.9mm x 158mm)
Weight	5.64oz (160g) including batteries
Probe	Stainless steel, Length 3.74in (95mm), Dia 0.067in (1.7mm)
IP Rating	IP54
Certification	CE, NSF, NIST traceable

Bluetooth General Specifications

Chipset	Nordic nRF51822
Power Rating	DC 1.8V to 3.6V
Operating Temp	-22°F to 185°F (-30°C to 85°C)
Storage Temp	-40°F to 185°F (-40°C to 85°C)
Humidity (Non-Operating)	95% Maximum
Frequency and Power	2402-2480 MHz; 40 ch; 3.0mW



Model 15039-01

- Bluetooth Low Energy, lightweight, compact, 2-in-1 design
- Thermocouple probe for internal product temperature
- Infrared for instant non-contact surface measurement
- Multi-beam circular laser dot pattern accurately targets area being measured
- Ideal for extremely hot areas, moving objects, hard to reach places
- Min/Max memory in IR mode
- NSF Certified, NIST traceable
- Verify HACCP check points
- Fast 3 second thermocouple reading
- Instant infrared reading
- Low battery indicator



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