

# Product Specifications

## ThermoTrace® BLE Infrared Thermocouple Probe Combo Thermometer

<b>Field of View</b>	8:1
<b>Infrared Measurement Range</b>	-76°F to 662°F (-60°C to 350°C)
<b>Probe Measurement Range</b>	-76°F to 662°F (-60°C to 350°C)
<b>Operating Range</b>	32°F to 122°F (0°C to 50°C)
<b>Infrared Accuracy</b>	Object Temperature: ±1.1°F from 59°F to 95°F (±0.6°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: ±2°F+0.1/degree (-60°C to 0°C: ±1°C+0.1/degree) 0°F to 149°F: ±2°F (0°C to 65°C: ±1°C) 149°F to 662°F: ±1.5% of reading (65°C to 350°C: ±1.5% of reading)
<b>Probe Accuracy</b>	< 23°F: ±2°F (<-5°C: ±1°C) 23°F to 149°F: ±1°F (-5°C to 65°C: ±0.5°C) >149°F (>65°C): ±1% of reading
<b>Response Time</b>	Less than 1 second
<b>Display Hold Time</b>	30 seconds
<b>Display Resolution</b>	0.5°F (0.2°C)
<b>Emissivity Range</b>	Factory set at 0.95 - adjustable 0.1 to 1.00 step 0.01
<b>Battery &amp; Battery Life</b>	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
<b>Sighting Method</b>	Multi-beam laser
<b>Dimensions</b>	1.56in x 2.12in x 6.22in (39.5mm x 53.9mm x 158mm)
<b>Weight</b>	5.64oz (160g) including batteries
<b>Probe</b>	Stainless steel, Length 3.74in (95mm), Dia 0.067in (1.7mm)
<b>IP Rating</b>	IP54
<b>Certification</b>	CE, NSF, NIST traceable

### Bluetooth General Specifications

<b>Chipset</b>	Nordic nRF51822
<b>Power Rating</b>	DC 1.8V to 3.6V
<b>Operating Temp</b>	-22°F to 185°F (-30°C to 85°C)
<b>Storage Temp</b>	-40°F to 185°F (-40°C to 85°C)
<b>Humidity (Non-Operating)</b>	95% Maximum
<b>Frequency and Power</b>	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

