



# High-Performance Infrared Thermometer With Patented Circle/Dot Laser Sighting and Wireless USB Interface

OS-DT8855W



TM  
**PATENTED**

- ✓ **Measurement Range:**  
IR: -50 to 1050°C (-58 to 1922°F)  
T/C: -50 to 1370°C (-58 to 2498°F)
- ✓ **Data Logger with Built-In Memory Storing up to 20 Readings**
- ✓ **Wireless USB Interface (RF 915 MHz for USA, Canada and Mexico)**
- ✓ **Wireless Transmission Distance 15 m (49.2')**
- ✓ **Type K Thermocouple Input**



OS-DT8855W, shown smaller than actual size with included accessories.

The high performance, handheld OS-DT8855W infrared thermometer is a non-contact temperature measurement instrument that features a laser circle/dot sight. The patented laser sighting system defines the target for point and shoot measurement of temperatures from -50 to 1050°C (-58 to 1922°F) and reads surface temperature in less than a second.

## Specifications

**IR Temperature Range:**  
-50 to 1050°C (-58 to 1922°F)

**Accuracy:**

- 50 to 20°C (-58 to -4°F): ±5°C (9°F)
- 20 to 200°C (-4 to 392°F): ±1.5% rdg ±2°C (±3.6°F)
- 200 to 538°C (392 to 1000°F): ±2.0% rdg ±2°C (±3.6°F)
- 538 to 1050°C (1000 to 1922°F): ±3.5% rdg ±5°C (±9°F)

**Response Time:** Less than 1 second

**Spectral Response:** 8-14 microns

**Emissivity:** Digitally adjustable from 0.10 to 1.0

**CAUTION!** – This product is not intended for medical use or use on humans

**T/C Temperature Range:**  
-50 to 1370°C (-58 to 2498°F)

**Accuracy:**

- 50 to 1000°C (-58 to 212°F): ±1.5% rdg ±3°C (±5°F)
- 1000 to 1370°C (1832 to 2498°F): ±1.5% rdg ±2°C (±3.6°F)

**Power Requirements:**  
9V battery or supplied AC adaptor

**Laser Power Output:** <1 mW

**Wavelength:** 630 to 670 nm

**Laser Classification:** Class 2

**Ambient Operating Temperature:**  
0 to 50°C (32 to 122°F)

**Storage Temperature:**  
-20 to 60°C (-4 to 140°F)

**Weight:** 290 g (10.2 oz)

**Distance to Spot Ratio:** 30:1

**Dimensions:** 175 H x 38 W x 95 mm D (6.87 x 1.5 x 3.75")

**Temperature Monitoring:**  
Max/Min/Diff/Avg



**Field of View:** 30:1

**Power:** Auto power-off

**Display:** Backlit for night use

**°C/°F:** Selectable

**Thermocouple:** Type K input

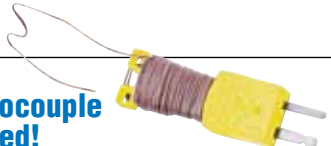
**Lock:** Trigger

**Alarm:** High and low

**Analog Output:** 1 mV/degree



**Free Thermocouple Included!**



Model OS-DT8855W includes a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy. Order a Spare! Model No. SC-GG-K-30-36

To Order	
Model No	Description
OS-DT8855W	Handheld infrared thermometer 30:1 field of view

Comes complete with hard carrying case, mini-tripod, AC power supply, 9V battery, one Type K thermocouple, USB wireless data receiver, PC software, probe lead adaptors, and operator's manual.

**Ordering Example:** OS-DT8855W, handheld infrared thermometer with patented laser circle sighting, backlit LCD, 30:1 field of view. OCW-3, OMEGACARE<sup>SM</sup> extends standard 1-year warranty to a total of 4 years.