



**CEM DT-833 Professional Infrared
Thermometer with Dual laser Pointers
12:1 IP54
(-50 to 650 °C /-58 to 1202 °F)**



SKU: CEMDT833WH
Manufacture warranty period: 12 months
Country of Origin: China

The Professional IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic moulding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. The built-in laser pointer increases target accuracy while the backlight LCD and handy push-buttons combine for convenient, ergonomic operation.

Features

- Rapid detection function
- Precise non-contact measurements
- Dual laser sighting
- Unique flat surface, modern housing design
- **IP54 rated for dust/water proof**
- **2M drop tested**
- Automatic Data Hold
- Emissivity Digitally adjustable from 0.10 to 1.0
- MAX, MIN, AVG, DIF temperature displays
- Backlight LCD display
- Automatic selection range and Display Resolution 0.1°C(0.1°F)
- Set high and low alarms





Specifications:

- Temperature range: $-50 \sim 650^{\circ}\text{C}$ ($-58 \sim 1202^{\circ}\text{F}$)
- Display resolution: 0.1°C (0.1°F) < 1000 ; 1°F > 1000
- Accuracy:
Assumes ambient operating temperature of 23° to 25°C (73 to 77°F)
 - $-50^{\circ}\text{C} \sim 20^{\circ}\text{C}$ ($-58^{\circ}\text{F} \sim 68^{\circ}\text{F}$); $\pm 3.5^{\circ}\text{C}$ (4.5°F)
 - $20^{\circ}\text{C} \sim 300^{\circ}\text{C}$ ($68^{\circ}\text{F} \sim 572^{\circ}\text{F}$); $\pm 1.0\%$
 $\pm 1.0^{\circ}\text{C}$ (1.8°F)
 - $300^{\circ}\text{C} \sim 650^{\circ}\text{C}$ ($572^{\circ}\text{F} \sim 1202^{\circ}\text{F}$); $\pm 1.5\%$
- Repeatability:
 - $-50 \sim 20^{\circ}\text{C}$ ($-58 \sim 68^{\circ}\text{F}$); $\pm 1.8^{\circ}\text{C}$ (2.3°F)
 - $20 \sim 650^{\circ}\text{C}$ ($68 \sim 1202^{\circ}\text{F}$); $\pm 0.5\%$ or $\pm 0.5^{\circ}\text{C}$ (0.9°F)
- Optical Resolution: 12:1 Distance to Spot size
- Basic accuracy: $\pm 1.0\%$ of reading
- Response time: 150ms
- Spectral response: $8 \sim 14\mu\text{m}$
- Emissivity: Digitally adjustable from 0.10 to 1.0
- Over range indication: LCD will show "----"
- Polarity: Automatic (no indication for positive polarity); Minus (-) sign for negative polarity
- Diode laser: output $< 1\text{mW}$, Wavelength $630 \sim 670\text{nm}$, Class 2 laser product
- Operating temperature: 0 to 50°C (32 to 122°F)
- Storage temperature: -10 to 60°C (14 to 140°F)
- Relative humidity: $10\% \sim 90\% \text{RH}$ operating, $< 80\% \text{RH}$ storage
- Power supply: 1.5V 2*AAA batteries, or equivalent
- Weight: 238g
- Size: 170 x 50 x 85mm
- Safety: "CE" Comply with EMC

Standard Certification:

- CE and RoHS certified
- EMC
- EN: 61326
- EN: 60825-1

Package includes:

- Infrared Thermometer Gun
- User Manual
- Carrying Case

