



CEM DT-835 Professional Infrared Thermometer with Circular laser Targeting 16:1 IP54 (-50 to 800 °C /-58 to 1472 °F)



SKU: CEMDT835WH
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
- Circular 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
- Type-K input

Note: Field of View: Make sure that the target is larger than the unit's spot size. The smaller the target, the closer you should be to it. When accuracy is critical, make sure the target is at least twice as large as the spot size.



Specifications:

- Temperature range: $-50 \sim 800^{\circ}\text{C}$ ($-58 \sim 1472^{\circ}\text{F}$)
- 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)
 - $300^{\circ}\text{C} \sim 800^{\circ}\text{C}$ ($572^{\circ}\text{F} \sim 1472^{\circ}\text{F}$); $\pm 1.5\%$
- Repeatability:
 - $-50 \sim 20^{\circ}\text{C}$ ($-58 \sim 68^{\circ}\text{F}$); $\pm 1.8^{\circ}\text{C}$ (2.3°F)
 - $20 \sim 800^{\circ}\text{C}$ ($68 \sim 1472^{\circ}\text{F}$); $\pm 0.5\%$ or $\pm 0.5^{\circ}\text{C}$ (0.9°F)
- Optical Resolution: 16:1 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: 248g
- Size: 170 x 50x 95mm
- Safety: "CE" Comply with EMC

Standard Certification:

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

Package includes:

- Infrared Thermometer Gun
- Type-K temperature probe
- User Manual
- Carrying Case

