



CEM DT-835 Professional Infrared Thermometer with Circular laser Targeting 16:1 IP54 with Type K Temperature (-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:

	IR	Type K
Temperature Range	-50 ~ 800°C (-58~ 1472°F)	-50 ~ 1370°C (-58 ~ 2498°F)
Display resolution	0.1°C(0.1°F) < 1000; 1°F> 1000	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°C~20°C (-58°F~68°F)	±3.5°C (4.5°F)
• 20°C~300°C (68°F~572°F)	±1.0% ±1.0°C (1.8°F)
• 300°C~800°C (572°F~1472°F)	±1.5%

Repeatability:	
• -50~20°C (-58~68°F)	±1.8°C (2.3°F)
• 20~800°C(68~1472°F)	±0.5% or ± 0.5°C (0.9°F)

Optical Resolution	16:1 Distance to Spot size
Response time	150ms
Spectral response	8 ~ 14 um
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 <1mW, Wavelength 630~670nm, Class 2 laser product
Power supply	1.5V 2 x AAA batteries
Safety	"CE" Comply with EMC

	Operation	Storage
Temperature	0 to 50°C (32 to 122°F)	-10 to 60°C (14 to 140°F)
Humidity	10%~90%RH	<80%RH

Meter Size	170 x 50x 95 mm
Weight	248 g

Standard Certification:

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

Package includes:

- 1 x DT-835 meter
- 1 x Type-K temperature probe
- 1 x User Manual
- 2 x AAA Batteries
- 1 x Carrying Case



