

ENVIRONMENTAL TESTERS

Thermometer

Model CA863

Offers the ability to easily switch between temperature readings on both channels (T1 & T2) and differential (DT)

► SPECIFICATIONS

MODEL	CA863
MEASUREMENTS	
Input	Dual K-type thermocouple
Temperature Scale	Fahrenheit or Celsius user selectable
Measurement Range	-58° to 1999°F or -50° to 1300°C
Display Resolution	1°F or 1°C, 0.1°F or 0.1°C
Sensor	K-type thermocouple dual input (included)
Accuracy (Instrument)	-58° to 1999°F: $\pm 0.3\%$ of Rdg $\pm 2^\circ\text{F}$ -50° to 1000°C: $\pm 0.3\%$ of Rdg $\pm 1^\circ\text{C}$ 1000° to 1300°C: $\pm 0.5\%$ of Rdg $\pm 1^\circ\text{C}$
Input Protection	24Vdc or 24Vrms
Sample Rate	2.5 times per second
Input Connector	Accepts two standard miniature K-type thermocouple plugs
GENERAL	
Display	3½ digit liquid crystal display (LCD), 2000-count
Operating Temperature	32° to 122°F (0° to 50°C), 80% RH
Storage Temperature	-4° to 140°F (-20° to 60°C), 0 to 80% RH without battery
Polarity	Automatic
Power Source	One 9V Alkaline battery (included)
Low Battery Indication	 is displayed when battery voltage is low

Model CA876

Features a laser guide for precise infrared temperature measurement

► SPECIFICATIONS

MODEL	CA876
MEASUREMENTS — INFRARED	
Temperature Range	-4° to 1022°F or -20° to 550°C
Display Resolution	1°F or 1°C
Accuracy	$\pm 2\%$ of Reading or $\pm 6^\circ\text{F}$ (3°C)
Response Time	One second
Emissivity	Adjustable 0.10 to 1.00
Sensor	Thermopile
Optical Lens	Fresnel Lens
Laser	<0.5mW (670nm)
MEASUREMENTS — K TYPE	
Temperature Range	-40° to 2000°F or -40° to 1350°C
Display Resolution	1°F or 1°C or 0.1°F or 0.1°C (Auto)
Sensor	K-type thermocouple (included)
Accuracy	-40° to 2000°F: $\pm 0.1\%$ of Reading $\pm 2^\circ\text{F}$ -40° to 1350°C: $\pm 0.1\%$ of Reading $\pm 1^\circ\text{C}$
GENERAL	
Display	3½ digit liquid crystal display (LCD), 2000-count
Operating Temperature	32° to 122°F (0° to 50°C), 80% RH
Storage Temperature	-4° to 140°F (-20° to 60°C), 0 to 80% RH without battery
Polarity	Automatic
Power Source	One 9V Alkaline battery (included)
Low Battery Indication	 is displayed when battery voltage is low

► FEATURES

- Easy one-hand operation
- Dual K-type thermocouple included
- Measures temperature in °F and °C
- 0.1° resolution
- Max and hold functions
- 2000-count backlit LCD
- Lightweight and compact
- Includes rugged, shockproof, protective and dirt resistant gray holster

► APPLICATIONS

- Process control monitoring and troubleshooting
- HVAC installation and maintenance
- Chemical processing
- Food processing
- Mold injecting and HVAC for temperature rise and fall
- Indoor/outdoor differential temperature measurements
- Plastics



► FEATURES

- Easy one-hand operation
- Non-contact infrared sensor
- Laser guide for precise aim
- Measures temperature in °F and °C
- High 1022°F/550°C measurement
- Adjustable emissivity 0.1 to 1.00
- Auto-Hold function
- 2000-count backlit LCD
- Lightweight and compact
- Removable protective laser cover
- Includes rugged, shockproof, protective and dirt resistant gray holster

► APPLICATIONS

- Electrical troubleshooting
- Food safety and processing
- Automotive repair and maintenance
- Marine maintenance and repairs
- Test faulty motor winding insulation
- Test overheated high voltage transformers
- Test terminals on circuit breaker panels
- Perform HVAC energy audits



CATALOG NO.	DESCRIPTION
2121.27	Thermometer Model CA863 (Dual K-type Thermocouple)
2121.34	Infrared Thermometer Model CA876 (Laser, var E, K-type Thermocouple, -4° to 1022°F)