

ENVIRONMENTAL TESTERS

Light • Sound • Humidity • Moisture
CO Gas • Temperature • IR Temperature



- Cost-effective, hand-held testers
- Large, easy-to-read LCD
- Supplied with rugged, shockproof, protective, dirt resistant gray holster
- Easy one-hand operation
- Lightweight and compact

Lightmeter Models CA811 & CA813

The Lightmeter Models CA811 and CA813 are portable, easy-to-use instruments which feature optical sensors that are designed to match the response of the human eye, making them ideal instruments for workspace analysis and planning. The ergonomically designed case, large display and intuitive function selection make these instruments the right choice for any application.

The Lightmeter Models CA811 and CA813 are designed for simple one-hand operation. They provide selectable lux or footcandle units for display and feature a 3½ digit backlit LCD digital display and a HOLD function. The Model CA811 offers a MAX function, while the Model CA813 offers a PEAK function and a broader light response.

FEATURES

- Easy one-hand operation
- Designed to measure a wide range of lighting types
- Removable sensor for remote reading
- Measures in footcandles (fc) or lux
- Cosine corrected
- HOLD function
- PEAK function (Model CA813)
- MAX function (Model CA811)
- CIE photopic (human eye) response
- 2000-count backlit LCD
- Lightweight and compact
- Removable protective sensor cover
- Includes rugged, shockproof, protective, dirt resistant holster

APPLICATIONS

- Testing for OSHA compliance in workplace, cleanroom and industrial settings
- Ambient testing for light-sensitive displays and archives in museums and art galleries



CE

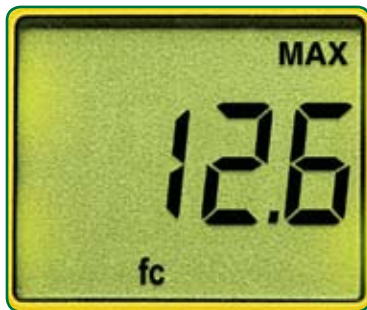


The Lightmeters are lightweight and compact. Their ergonomic design allows for easy one-hand operation.

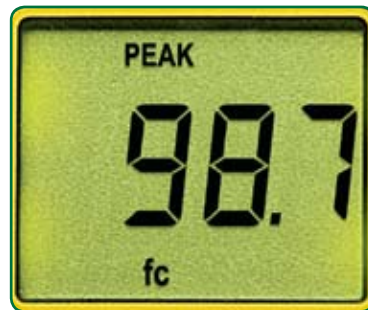
SPECIFICATIONS

MODEL	CA811	CA813*
MEASUREMENTS		
Range	20fc, 200fc, 2000fc, 20kfc	20fc, 200fc, 2000fc, 20kfc
	20lux, 200lux, 2000lux, 20klux	20lux, 200lux, 2000lux, 20klux, 200klux
Resolution	0.01fc or 0.01lux	0.01fc or 0.01lux
Spectral Response	CIE Photopic Curve	CIE Photopic Curve
Accuracy for 2856K Light Source	±3% ±10cts	±3% ±10cts
Display Refresh Rate	2.5 times per second, nominal	2.5 times per second, nominal
ELECTRICAL		
Power Source	9V Alkaline battery	
Low Battery Indication	⊖+ is displayed when battery voltage is low	
MECHANICAL		
Polarity	Automatic	Automatic
Sensor	Silicon photodiode	Silicon photodiode
Dimensions	6.81 x 2.38 x 1.5" (173 x 60.5 x 38mm)	
Weight	Approx. 7.55 oz (214g) including battery	Approx. 7.9 oz (224g) including battery
DISPLAY		
Display Type	3½ digit liquid crystal display (LCD), 2000-count	
ENVIRONMENTAL		
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	

* Note: Model CA813 offers higher sensitivity (200klux) and has a better spectral response to common light sources.



When the MAX button is pressed, the Model CA811 holds the highest value displayed every 400ms.



When the PEAK button is pressed, the Model CA813 displays the highest single sample measured every 50ms.

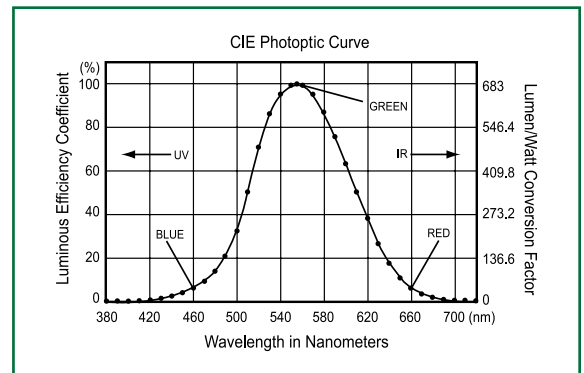


Removable light sensor makes it easy to accurately measure lighting in office environments. The probe may be extended to avoid shadowing and may be oriented towards a specific light source.

CONSTRUCTION



1. Photodiode sensor
2. Low battery indicator
3. RANGE selector
4. PEAK button (Model CA813)
MAX button (Model CA811)
5. Power/mode selector
6. Removable light sensor
7. 3½ digit display
8. HOLD button



Sound Level Meter Model CA832

The Sound Level Meter Model CA832 is designed to assess sound ambiances or nuisances in accordance with international safety and quality standards. It complies with standard CEI 651.

The Model CA832 is a portable, compact instrument with a 2000-count display. It is designed for simple, one-hand operation and may be fitted on a tripod for long duration measurements. It features two weighting curves A and C for measurement integrating the sensitivity of the human ear according to sound frequency. Curve A is the general-purpose curve in an industrial environment, and C is more suited in presence of low frequency sounds. Also, mode 'F' (fast response time) corresponds to the response time of the ear. Mode 'S' (slow response time) is used to obtain a uniform reading when the sound signal level shows fluctuations.

FEATURES

- Easy one-hand operation
- Measures sound according to the sensitivity of the human ear
- MAX function
- Three measurement ranges from 35 to 130dB
- Accuracy $\pm 1.5\text{dB}$
- Two time weighting curves:
S (slow) – 550ms and F (fast) – 55ms
- Two frequency weighting curves: A and C
- Auxiliary output for recording
- Tripod mountable
- 2000-count backlit LCD
- Lightweight and compact
- Includes rugged, shockproof, protective, dirt resistant holster


APPLICATIONS

- Factories
- Schools and libraries
- Airports
- Office environments
- Studios
- Auditoriums
- Hospitals



The Model CA832 includes an auxiliary output for connecting the instrument to a recording device.

SPECIFICATIONS

MODEL	CA832
MEASUREMENTS	
Measurement Range	35 to 80dB 50 to 100dB 80 to 130dB
Measurement Rate	2.5 times per second
Dynamic Range	50dB
Frequency Range	31.5 to 8000Hz
Accuracy	±1.5dB
Resolution	0.1dB
Precision	±2.0dB
Display	2000-count
Applicable Standard	IEC 651 type 2/ANSI S 1.4 type 2/JIS C 1502
Auxiliary Output	DC output: 10mV/dB – 100Ω AC output: 1.0Vrms – 600Ω
Frequency Weighting	Curves A and C
Time Weighting	S (slow) and F (fast)
ELECTRICAL	
Power Source	9V Alkaline battery
Low Battery Indication	 is displayed when battery voltage is low
MECHANICAL	
Sensor	0.5" electric (prepolarized) condenser microphone True RMS measurement with independent frequency weighting
Dimensions	9.33 x 2.38 x 1.5" (237 x 60.5 x 38mm)
Weight	Approx. 8.11 oz (230g) including battery
DISPLAY	
Display Type	3½ digit liquid crystal display (LCD), 2000-count
ENVIRONMENTAL	
Operating Temperature	32° to 122°F (0° to 50°C), 80% RH without condensation
Storage Temperature	-4° to 140°F (-20° to 60°C), 0 to 80% RH without battery

CONSTRUCTION



1. Microphone
2. Low battery indicator
3. RANGE selector
4. Backlight and A or C frequency weighting selector
5. Power/mode selector
6. Auxiliary output
7. 3½ digit display
8. MAX button
9. Protective cap for calibration screw



Measure sound levels in office environments.



Tripod mounting screw allows for mounting on a standard tripod stand. (Tripod not included.)

Tripod mounting screw, auxiliary output plug and calibration screwdriver included

Thermo-Hygrometer Model CA846

The Thermo-Hygrometer Model CA846 is a portable, compact digital meter designed for simplicity and one-hand operation. The meter uses an NTC as the temperature sensor, providing excellent response time to changes in temperature, good repeatability and accurate readings. The Model CA846 also utilizes a thin film polymer capacitive type relative humidity sensor as hygrometer sensor, offering excellent recovery from 100% moisture, and fast response time and durability.

FEATURES

- Easy one-hand operation
- Measures temperature in °F and °C
- Accurate NTC sensor
- Quick response RH sensor
- MAX and HOLD functions
- 2000-count backlit LCD
- Lightweight and compact
- Removable protective sensor cover
- Includes rugged, shockproof, protective, dirt resistant holster

APPLICATIONS

- Greenhouses
- HVAC installation and maintenance
- Office environments
- Labs
- Environmental studies
- Weather monitoring
- Food distribution and storage
- Blood banks




CE



Accurate NTC temperature sensor and quick response RH sensor

SPECIFICATIONS

MODEL	CA846
MEASUREMENTS – Temperature	
Measurement Range	-4° to 140°F or -20° to 60°C
Resolution	0.1°F or 0.1°C
Accuracy	-4° to 32°F: ±2°F or -20° to 0°C: ±1°C 32° to 140°F: ±1°F or 0° to 60°C: ±0.5°C
MEASUREMENTS – Relative Humidity	
Measurement Range	0 to 100% RH
Resolution	0.1% RH
Sensor	Capacitive Humidity Sensor
Accuracy	±2.5%, 25°C, 10% to 90% RH ±5.0%, 25°C, 0% to 10% RH, 90% to 100% RH
ELECTRICAL	
Power Source	9V Alkaline battery
Low Battery Indication	 is displayed when battery voltage is low
MECHANICAL	
Polarity	Automatic
Sensor	NTC Temperature Sensor
Dimensions	6.81 x 2.38 x 1.5" (173 x 60.5 x 38mm)
Weight	Approx. 6.2 oz (175g) including battery
DISPLAY	
Display Type	3½ digit liquid crystal display (LCD), 2000-count
ENVIRONMENTAL	
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

CONSTRUCTION



1. Temperature/humidity sensors
2. Low battery indicator
3. MAX button
4. °C/°F selector & backlight
5. Power/mode selector
6. Protective sensor cover
7. 3½ digit display
8. Mode indicator
9. HOLD button



Take accurate temperature and humidity measurements in a variety of environments with the Thermo-Hygrometer Model CA846.

Moisture Meter Model CA847

The Moisture Meter Model CA847 is designed to measure the level of moisture in wood and construction materials such as plaster and roughcast, etc. The measurement principle is as follows: an electric current is passed through the two electrodes in order to measure the impedance variation due to the moisture in the material. The instrument immediately translates the measurement into a humidity percentage. For wood, the instrument gives a direct reading of the level of moisture in the wood, expressed as a percentage of H₂O between 6% and 100%. For other construction materials, the instrument determines the wood moisture equivalent (WME).

FEATURES

- Easy one-hand operation
- Measurement range: to 100% of H₂O
- Two 20-LED display scales: from 6 to 23% and 24 to 100%
- Replaceable electrodes
- Power ON/OFF automatically activated when protective cover is removed/installed
- Lightweight and compact
- Removable protective sensor cover
- Includes rugged, shockproof, protective, dirt resistant holster

APPLICATIONS

- Measure moisture in wood products
- Plastic, sheetrock and concrete curing



CE



Measure the moisture levels in a variety of construction materials with the Moisture Meter Model CA847.

SPECIFICATIONS

MODEL	CA847
MEASUREMENTS – Relative Humidity	
Measurement Range	0 to 100% RH
Resolution	6 to 23% and 24 to 100% RH
Accuracy	±1 LED from 6 to 30% RH ±2 LEDs above 30% RH
ELECTRICAL	
Power Source	9V Alkaline battery
Low Battery Indication	LED lights up
MECHANICAL	
Sensor	Capacitive Humidity Sensor
Dimensions	7.68 x 2.38 x 1.5" (195 x 60.5 x 38mm)
Weight	Approx. 5.6 oz (160g) including battery
DISPLAY	
Display Type	20 LEDs on 2 scales
ENVIRONMENTAL	
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



Protective cover also acts as power switch – remove cover to turn instrument on; replace cover to turn instrument off.

CONSTRUCTION



1. Measurement probes
2. ON/OFF switch
3. ON light
4. Low battery indicator
5. Graduated scale showing percentage of moisture in wood
6. Protective cover
7. Lamp indicating level >23%
8. Test button
9. 20 moisture level indicator lamps
10. Colored bargraph

Carbon Monoxide Meter Model CA895

The Carbon Monoxide Meter Model CA895 measures the level of carbon monoxide present in the surrounding atmosphere from 0 to 1000ppm. For this purpose it uses a catalytic sensor which does not consume any chemical substance. This portable instrument is particularly suitable for detecting the levels of CO potentially dangerous for human beings in heating, refrigeration, ventilation/air-conditioning installations and, in general, in industrial, commercial or residential environments where combustion gas may accumulate.

The most common use is to locate the source giving off the CO, facilitated by the presence of a buzzer, the frequency of which increases with the concentration of CO. Above a level of 200ppm, the buzzer makes a continuous sound.

FEATURES

- Easy one-hand operation
- Two measurement modes: “normal” for detection of CO source and “average” for precise measurement
- “Beeper” indication of possible risk
- MAX and HOLD functions
- 2000-count backlit LCD
- Lightweight and compact
- Includes rugged, shockproof, protective, dirt resistant holster

APPLICATIONS

- HVAC installation and maintenance
- Subway/tunnel monitoring
- Measuring CO gas levels in automotive repair facilities




CE



The Model CA895 can be used to monitor CO levels in subway stations.

SPECIFICATIONS

MODEL	CA895
MEASUREMENTS	
Measurement Range	0 to 1000ppm
Resolution	1ppm
Accuracy	±5% of Reading ± 5ppm
Response Time	<70sec to 90% of the measurement
ELECTRICAL	
Power Source	9V Alkaline battery
Low Battery Indication	 is displayed when battery voltage is low
MECHANICAL	
Dimensions	9.33 x 2.38 x 1.5" (237 x 60.5 x 38mm)
Weight	Approx. 6.2 oz (190g) including battery
DISPLAY	
Display Type	3½ digit liquid crystal display (LCD), 2000-count
ENVIRONMENTAL	
Operating Temperature	32° to 122°F (0° to 50°C), 15 to 90% RH without condensation
Storage Temperature	-4° to 140°F (-20° to 60°C), 0 to 80% RH without battery



The Model CA895's catalytic sensor does not consume any chemical substances.



Calibration adjustment



Calibration screwdriver included

CONSTRUCTION



1. CO sensor
2. Low battery indicator
3. MAX button
4. Backlight
5. 3-way selector switch:
OFF/NORMAL/AVERAGE
6. 3½ digit display
7. HOLD button
8. Protective cap for calibration screw

K Thermometer Models CA861 & CA863

The K Thermometer Models CA861 and CA863 are portable, compact meters designed to use external K thermocouples as temperature sensors. The Model CA861 is a single input instrument, while the Model CA863 offers dual inputs for performing differential measurements.

Features include MAX and HOLD functions, a high resolution 0.1° setting and an easy-to-read 3½ digit LCD with a backlight. The Model CA863 offers the ability to easily switch between temperature readings on both channels (T1 and T2) and differential (ΔT). Both thermometers are supplied with K thermocouples.

FEATURES

- Easy one-hand operation
- K thermocouple(s) 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, dirt resistant holster

APPLICATIONS

- Process control monitoring and troubleshooting
- HVAC installation and maintenance
- Chemical processing
- Food processing
- Plastics
- Mold injecting and HVAC for temperature rise and fall (Model CA863)
- Indoor/outdoor differential temperature measurements (Model CA863)



CE



Temperature measurement on industrial oven used in reclaiming defective plastic parts

SPECIFICATIONS

MODEL	CA861	CA863
MEASUREMENTS		
Input	Single K thermocouple	Dual K thermocouple
Temperature Scale	Fahrenheit or Celsius user-selectable	Fahrenheit or Celsius user-selectable
Measurement Range	-40° to 1999°F or -40° to 1350°C	-58° to 1999°F or -50° to 1300°C
Resolution	1°F or 1°C 0.1°F or 0.1°C	1°F or 1°C 0.1°F or 0.1°C
Accuracy (Instrument)	-40° to 1999°F: ±0.1% Reading + 2°F plus thermocouple -40° to 1350°C: ±0.1% Reading + 1°C plus thermocouple	-58° to 1999°F: ±0.3% Reading + 2°F plus thermocouple -50° to 1000°C: ±0.3% Reading + 1°C plus thermocouple 1000° to 1300°C: ±0.5% Reading + 1°C plus thermocouple
Input Protection	24Vdc or 24Vrms	24Vdc or 24Vrms
Display Refresh Rate	2.5 times per second	2.5 times per second
Input Connector	Accepts one standard miniature K thermocouple plug	Accepts two standard miniature K thermocouple plugs
ELECTRICAL		
Power Source	9V Alkaline battery	
Low Battery Indication	⎓ is displayed when battery voltage is low	
MECHANICAL		
Polarity	Automatic	Automatic
Sensor	K thermocouple	K thermocouple
Dimensions	6.81 x 2.38 x 1.5" (173 x 60.5 x 38mm)	
Weight	Approx. 6.5 oz (185g) including battery	Approx. 6.4 oz (181g) including battery
DISPLAY		
Display Type	3½ digit liquid crystal display (LCD), 2000-count	
ENVIRONMENTAL		
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	

CONSTRUCTION



1. Low battery indicator
2. T1-T2-ΔT toggle (Model CA863)
3. °C/°F selector & backlight
4. Power switch/resolution selector
5. 3½ digit display
6. HOLD button (Model CA861)
HOLD/MAX button (Model CA863)



Single K thermocouple input

Model CA861



Dual K thermocouple inputs

Model CA863



K thermocouples included



Take two simultaneous temperature measurements and view each individual reading or the differential with the push of a button.

RTD Thermometer Model CA865

The RTD Thermometer Model CA865 is a portable, compact digital meter designed to use an RTD Pt385/100Ω as the temperature sensor for precise temperature measurements in a variety of environments. The RTD probe provides for fast response time, accurate measurements, and good repeatability.

Features include a 3½ digit LCD with readings to 1999. The meter is supplied with one RTD probe and a shockproof protective holster.

FEATURES

- Easy one-hand operation
- Accurate RTD sensor 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, dirt resistant holster


APPLICATIONS

- Process control monitoring and troubleshooting
- HVAC installation and maintenance
- Hot spot detection on instruments and office equipment
- Indoor/outdoor temperature monitoring



Precise RTD temperature sensor allows for accurate temperature measurement at specific points on the surface of electronic circuits.

SPECIFICATIONS

MODEL	CA865
MEASUREMENTS	
Temperature Scale	Fahrenheit or Celsius user-selectable
Measurement Range	-58° to 199.9°F or -50° to 199.9°C
Resolution	0.1°F or 0.1°C
Accuracy (Instrument)	±1°F (±0.5°C)
RTD Probe Accuracy	-58° to 199.9°F: ±2°F -50° to 100°C: ±1°C 100° to 199.9°C: ±1.5°C
Input Protection	24Vdc or 24Vrms
Display Refresh Rate	2.5 times per second
Input Connector	Accepts standard 3-prong RTD plug
ELECTRICAL	
Power Source	9V Alkaline battery
Low Battery Indication	 is displayed when battery voltage is low
MECHANICAL	
Polarity	Automatic
Sensor	Pt385/100Ω RTD temp. sensor (alpha 0.00385)
Dimensions	6.81 x 2.38 x 1.5" (173 x 60.5 x 38mm)
Weight	Approx. 6.2 oz (175g) including battery
DISPLAY	
DisplayType	3½ digit liquid crystal display (LCD), 2000-count
ENVIRONMENTAL	
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



Model CA865 is supplied with RTD sensor for accurate measurements



RTD thermocouple input

Model CA865

CONSTRUCTION



1. RTD sensor
2. Low battery indicator
3. MAX button
4. °C/°F selector & backlight
5. Power ON/OFF
6. 3½ digit display
7. HOLD button

Infrared Thermometer

Models CA870, CA872 & CA876

The Infrared Thermometer Models CA870, CA872 and CA876 are non-contact infrared temperature measuring instruments. Features include a 3½ digit backlit LCD, Auto-Hold function and auto power off (15 seconds). The MEAS button is used to extend the battery life by automatically stopping measurement temperature and holding the display reading. The Models CA876 and CA872 feature a laser guide for precise measurements. The Model CA876 includes a K thermocouple input for taking temperature measurements, MIN and MAX recording features, an alarm feature which allows specified Lo or Hi values to be programmed and adjustable emissivity from 0.1 to 1.00.

FEATURES

- Easy one-hand operation
- Non-contact infrared sensor
- Laser guide for precise aim (Models CA876 and CA872)
- Measures temperature in °F and °C
- High 1022°F/550°C measurement (Model CA876)
- Fixed 0.95 emissivity (Models CA872 and CA870)
- Adjustable emissivity 0.1 to 1.00 (Model CA876)
- Auto-hold function
- 2000-count backlit LCD
- Lightweight and compact
- Removable protective laser cover (Models CA876 and CA872)
- Includes rugged, shockproof, protective, dirt resistant 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



CE



Laser guide (Models CA872 and CA876) allows you to take accurate and safe temperature measurements on extremely hot surfaces.

SPECIFICATIONS

MODEL	CA870	CA872	CA876
MEASUREMENTS – Infrared			
Temperature Range	-4° to 500°F or -20° to 260°C	-4° to 500°F -20° to 260°C	-4° to 1022°F or -20° to 550°C
Resolution	1°F or 1°C	1°F or 1°C	1°F or 1°C
Accuracy	±2% Reading or ±6°F/3°C	±2% Reading or ±6°F/3°C	±2% Reading or ±6°F/3°C ≥ 212°F(100°C)
Response Time	1 second	1 second	1 second
Emissivity	Preset 0.95	Preset 0.95	Adjustable 0.10 to 1.00
Optical Lens	Fresnal Lens	Fresnal Lens	Fresnal Lens
Laser	–	< 0.5mW (670nm)	< 0.5mW (670nm)
MEASUREMENTS – K Type			
Temperature Range	–	–	-40° to 2000°F or -40° to 1350°C
Resolution	–	–	1°F or 1°C or 0.1°F or 0.1°C (auto)
Sensor	–	–	K thermocouple
Accuracy	–	–	-40° to 2000°F: ±0.1% of Reading + 2°F plus t/c -40° to 1350°C: ±0.1% of Reading + 1°C plus t/c
ELECTRICAL			
Power Source	9V Alkaline battery		
Low Battery Indication	⎓ is displayed when battery voltage is low		
MECHANICAL			
Polarity	Automatic	Automatic	Automatic
Sensor	Thermopile	Thermopile	Thermopile
Dimensions	6.81 x 2.38 x 1.5" (173 x 60.5 x 38mm)		
Weight	Approx. 6.5 oz (183g) including battery	Approx. 6.5 oz (183g) including battery	Approx. 9 oz (255g) including battery
DISPLAY			
Display Type	3½ digit liquid crystal display (LCD), 2000-count		
ENVIRONMENTAL			
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		



Model CA870

Infrared thermopile temperature sensor



Model CA872

Infrared thermopile temperature sensor
Laser guide



Model CA876

Infrared thermopile temperature sensor
Laser guide
K thermocouple input

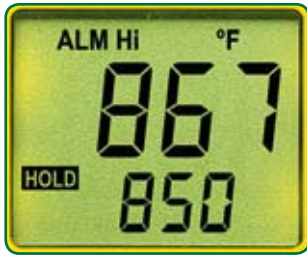
CONSTRUCTION



1. Mode selector
2. MAX button (Up arrow on Model CA876)
3. Measurement button
4. Low battery indicator
5. 3½ digit display
6. Laser ON (Models CA872 and CA876) (Down arrow on Model CA876)

FUNCTIONAL DISPLAYS

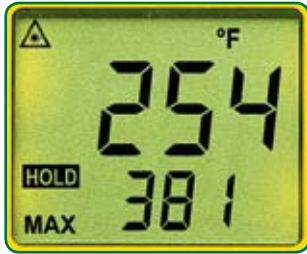
Model CA876



The Model CA876 features an alarm function which allows Hi and Lo values to be programmed by using the MODE button in conjunction with the up/down arrow keys. When the programmed Hi or Lo value is exceeded, the instrument emits an alarm tone and ALM Hi or ALM Lo will appear in the display.



The Model CA876 has the ability to take infrared measurements as well as K thermocouple measurements and to display both values simultaneously.



The Model CA876 offers MIN and MAX functions which will keep track of and display the minimum (or maximum) temperature measured during the test.



The Model CA876 allows the operator to set the emissivity (ϵ) from 0.1 to 1.00.

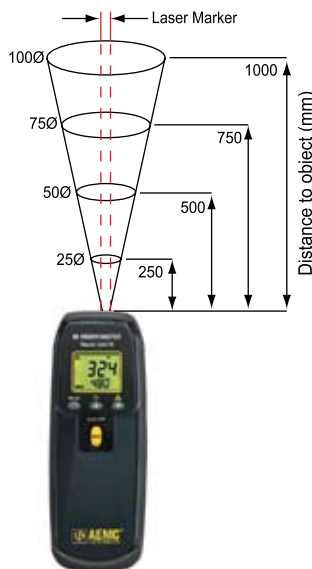


K thermocouple included with Model CA876

Field of View (FOV) ratio = 10:1 (Distance to Diameter)

The FOV is the ratio of the distance from the target to the target diameter. When the target diameter is small, it is important to bring the thermometer closer to the target to insure that only the target is measured, excluding the surroundings. The measurement size is one-tenth the distance to the target.

FOV ratio = 10:1 = Distance : Diameter



How To Order

- ◆ All AEMC® Instruments products are available through a network of authorized electrical, electronic and instrumentation distributors.
- ◆ If you have difficulty locating a distributor near you, contact AEMC® Instruments or your local AEMC® Instruments sales representative for a distributor in your area:

AEMC® Instruments
200 Foxborough Blvd.
Foxborough, MA 02035 USA
(508) 698-2115 • Fax (508) 698-2118
Technical Hotline: (800) 343-1391
sales@aemc.com • www.aemc.com

- ◆ Direct Export Department Lines: (978) 526-7667 • Fax (978) 526-7605
- ◆ When ordering, please use the catalog number and product description.

Example:

Quantity	Catalog #	Description
1	2121.20	Lightmeter Model CA811

- ◆ A separate price list is available. If your list is missing, contact your AEMC® Instruments distributor or AEMC® Instruments for a replacement.
- ◆ AEMC® Instruments reserves the right to discontinue models at any time, or change specifications, price or design without notice and without incurring any obligation. Please contact us, your local representative, agent or distributor for updates.

Repair and Calibration

To guarantee that your instrument complies with the factory specifications, we recommend that the environmental tester be submitted to our factory service center at one year intervals for recalibration, or as required by other standards.

For instrument repair and/or calibration, please call our factory, toll-free, at (800) 945-2362.

Chauvin Arnoux®, Inc. • d.b.a. AEMC® Instruments
15 Faraday Drive • Dover, NH 03820 USA
(800) 945-2362 • (603) 749-6434 • Fax: (603) 742-2346
repair@aemc.com • www.aemc.com

(Or contact your authorized distributor.)

Estimates for repairs, normal recalibration, and calibration traceable to N.I.S.T. are available. All customers must call for an authorization number before returning any instrument.

Technical Sales and Assistance

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Lightmeter



Model CA813
Lightmeter



Model CA832
Sound Level Meter



Model CA846
Thermo-Hygrometer



Model CA847
Moisture Meter



Model CA895
Carbon Monoxide Meter



Model CA861
Single K Thermometer



Model CA863
Dual K Thermometer



Model 865
RTD Thermometer



Model CA870
IR Thermometer



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IR Thermometer w/laser



Model CA876
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ORDERING INFORMATION

CATALOG NO.

Lightmeter Model CA811	Cat. #2121.20
Includes 9V Alkaline battery, rugged, shockproof, protective, dirt resistant gray holster and user manual	
Lightmeter Model CA813	Cat. #2121.21
Includes 9V Alkaline battery, rugged, shockproof, protective, dirt resistant gray holster and user manual	
Sound Level Meter Model CA832	Cat. #2121.23
Includes 9V Alkaline battery, auxiliary output plug, tripod mounting screw nut, calibration screwdriver, rugged, shockproof, protective, dirt resistant gray holster and user manual	
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Includes 9V Alkaline battery, rugged, shockproof, protective, dirt resistant gray holster and user manual	
Moisture Meter Model CA847	Cat. #2121.25
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Includes K thermocouple, 9V Alkaline battery, rugged, shockproof, protective, dirt resistant gray holster and user manual	
Thermometer Model CA863 (Dual K thermocouple)	Cat. #2121.27
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Infrared Thermometer Model CA872 (Laser)	Cat. #2121.31
Includes 9V Alkaline battery, rugged, shockproof, protective, dirt resistant gray holster and user manual	
Infrared Thermometer Model CA876 (Laser, Var ϵ, K thermocouple)	Cat. #2121.34
Includes K thermocouple, 9V Alkaline battery, rugged, shockproof, protective, dirt resistant gray holster and user manual	
Carbon Monoxide Meter Model CA895	Cat. #2121.35
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950.BR-ENVIRON_0308Rev03 Printed in the USA

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