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DATA-SHEET



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WHY BUY
WHEN YOU CAN HIRE

Lightmeter Models CA811 & CA813



Description

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 cases, 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 foot candle 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 foot-candles (fc) or lux
- Cosine corrected
- HOLD function
- PEAK function (Model CA813)
- MAX function (Model CA811)
- Backlight
- CIE photopic response (human eye)

- Lightweight and compact
- Includes protective safety 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

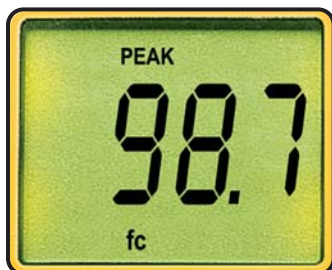
Specifications

MODEL	CA811	CA813*
MEASUREMENTS		
Range:	20fc, 200fc, 2000fc, 20kfc 20lux, 200lux, 2000lux, 20klux,	20fc, 200fc, 2000fc, 20kfc 20lux, 200lux, 2000lux, 20klux, 200klux
Display Resolution:	0.01fc or 0.01lux	0.01fc or 0.01lux
Sensor:	Silicon photodiode	Silicon photodiode
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	
MECHANICAL		
Display:	3½ digit liquid crystal display (LCD)	
Polarity:	Automatic	
Low Battery Indication:	[- +] is displayed when battery voltage is low	
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

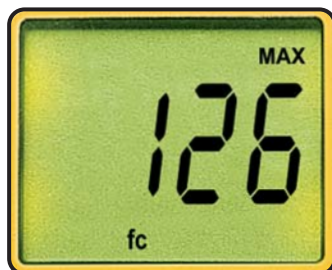
* Note: Model CA813 offers higher sensitivity (200klux) and has a better spectral response to common light sources.



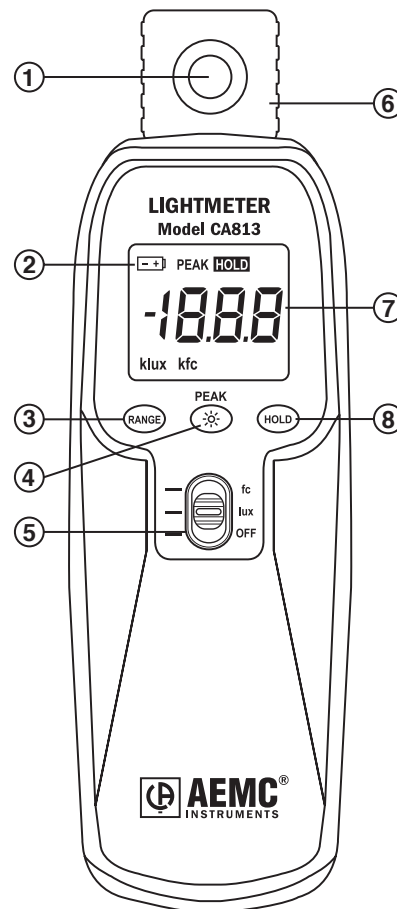
Removable light sensor makes it easy to accurately measure lighting in office environments. The probe may be extended to avoid shadowing and may be oriented towards a specific light source.



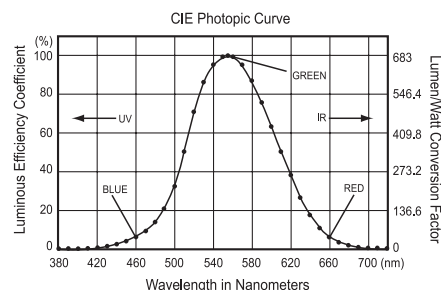
When the PEAK button is pressed, the Model CA813 displays the highest single sample measured every 50ms.



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



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



ORDERING INFORMATION

CATALOG NO.

Lightmeter Model CA811 Cat. #2121.20

Lightmeter Model CA813 Cat. #2121.21

All Lightmeters are supplied with 9V Alkaline battery, shockproof, safety holster and user manual

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*subject to availability and conditions

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