

# ENVIRONMENTAL TESTERS

## LIGHTMETER



### MODELS CA811 & CA813

Features optical sensors that are designed to match the response of the human eye



CA811

CA813

### FEATURES

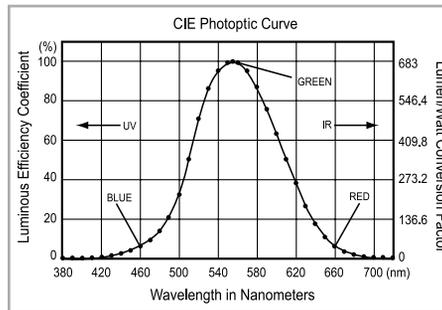
- Easy one-hand operation
- Designed to measure a wide range of lighting types
- Removable sensor for remote reading
- Measures in foot-candles (fc) or lux (lx)
- Measures incandescent lighting
- Cosine corrected
- Hold function
- Max function (CA811)
- Peak function (CA813)
- CIE photopic (human eye) response
- 2000-count backlit LCD
- Lightweight and compact
- Removable protective sensor cover
- Includes rugged, shockproof, protective and dirt resistant gray cover

### PRODUCT INCLUDES

Rugged shockproof protective holster, 9 V battery and user manual.

MODELS	CA811	CA813*
<b>MEASUREMENTS</b>		
<b>Range</b>	(20, 200, 2000) fc, 20 kfc (20, 200, 2000) lx, 20 klx	(20, 200, 2000) lx, (20, 200) klx
<b>Display Resolution</b>	0.01 fc or 0.01 lx	
<b>Sensor</b>	Silicon photodiode	
<b>Spectral Response</b>	CIE Photopic Curve	
<b>Accuracy</b>	± 5 % of Reading ± 10 cts	
<b>2856 K Light Source</b>	± 5 % of Reading ± 10 cts	± 5 % of Reading ± 10 cts
<b>Common Light Source</b>	± 18 % of Reading ± 2 cts	± 11 % of Reading ± 2 cts
<b>Sample Rate</b>	2.5 times per s, nominal	
<b>GENERAL</b>		
<b>Display</b>	3½ digit liquid crystal display (LCD), 2000-count	
<b>Operating Temperature</b>	(32 to 122) °F (0 to 50) °C, < 80 % RH	
<b>Storage Temperature</b>	(-4 to 140) °F (-20 to 60) °C, (0 to 80) % RH without battery	
<b>Polarity</b>	Automatic	
<b>Power Supply</b>	(1) 9 V Alkaline battery (included)	
<b>Low Battery Indication</b>	[- +] Displayed when battery voltage is low	
<b>Dimensions</b>	(6.81 x 2.38 x 1.5) in (173 x 60 x 38) mm	
<b>Weight</b>	Approx. 7.55 oz (214 g) (including battery)	Approx. 7.9 oz (224 g) (including battery)

Consult factory for NIST Calibration prices.



\*Note: Model CA813 offers higher sensitivity (200 klx) and has a better spectral response to common light sources. Model CA811 is used to measure incandescent lighting.

### APPLICATIONS

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

CAT. #	DESCRIPTION
2121.20	Lightmeter Model CA811
2121.21	Lightmeter Model CA813