

MODELS CA811 & CA813

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



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FEATURES

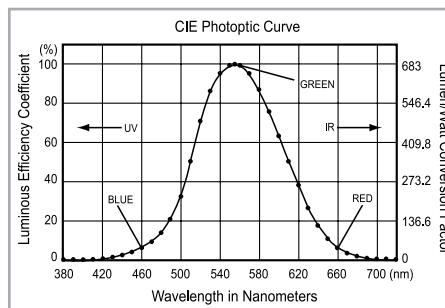
- Easy one-hand operation
- Designed to measure a wide range of lighting types
- Removable sensor for remote reading
- Measures in foot-candles (fc) or lux (lx)
- Measures incandescent lighting
- Cosine corrected
- Hold function
- Max function (CA811)
- Peak function (CA813)
- CIE photopic (human eye) 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*
MEASUREMENTS		
Range	(20, 200, 2000) fc, 20 kfc	
	(20, 200, 2000) lx, 20 klx	(20, 200, 2000) lx, (20, 200) klx
Display Resolution	0.01 fc or 0.01 lx	
Sensor	Silicon photodiode	
Spectral Response	CIE Photopic Curve	
Accuracy	± 5 % of Reading ± 10 cts	
2856 K Light Source	± 5 % of Reading ± 10 cts	± 5 % of Reading ± 10 cts
Common Light Source	± 18 % of Reading ± 2 cts	± 11 % of Reading ± 2 cts
Sample Rate	2.5 times per s, nominal	
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 Supply	(1) 9 V Alkaline battery (included)	
Low Battery Indication	 Displayed when battery voltage is low	
Dimensions	(6.81 x 2.38 x 1.5) in (173 x 60 x 38) mm	
Weight	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