

ENVIRONMENTAL TESTERS

LIGHTMETER

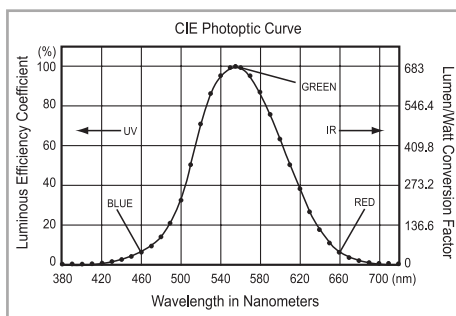
MODELS CA811 & CA813

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

SPECIFICATIONS

MODELS	CA811		CA813*	
MEASUREMENTS				
Range	20 fc, 200 fc, 2000 fc, 20 kfc			
	20 lx, 200 lx, 2000 lx, 20 klx		20 lx, 200 lx, 2000 lx, 20 klx, 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		± 5 % of Reading ± 10 cts	
2856 K Light Source	± 18 % of Reading ± 2 cts		± 11 % of Reading ± 2 cts	
Common Light Source				
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.

PRODUCT INCLUDES

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

CATALOG NO.	DESCRIPTION
2121.20	Lightmeter Model CA811
2121.21	Lightmeter Model CA813



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

APPLICATIONS

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