MODELS CA811 & CA813

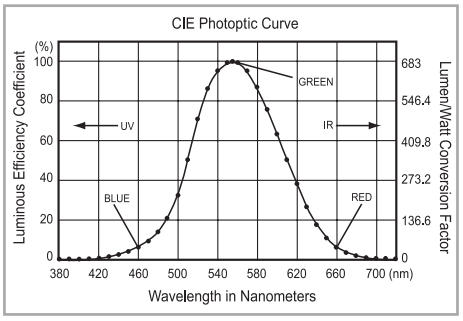
Features optical sensors that are designed to match the response of the human eye

CA811 CA813

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 **2856 K Light Source** **Common Light Source**	± 5 % of Reading ± 10 cts ± 18 % of Reading ± 2 cts	± 5 % of Reading ± 10 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.

PRODUCT INCLUDES

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

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

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