

Luxmeter

LUX/white light meter

The Luxmeter is a high-resolution instrument for measuring the irradiance of daylight sources or the daylight environment.

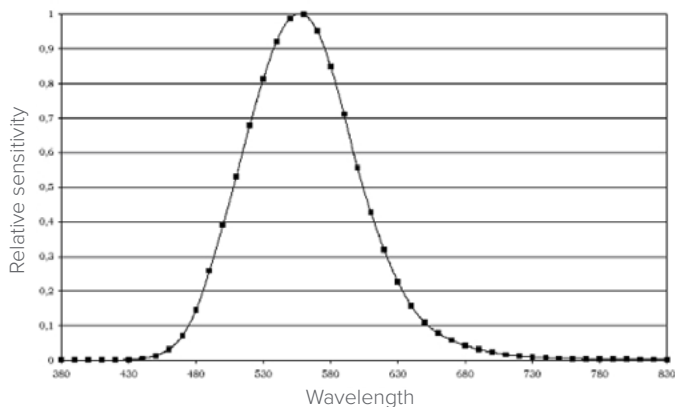
Its advantages include simple handling, reliability and long life, making it ideal for the increased demands of non-destructive testing in the field.



FEATURES

- Meets IP 65 (keypad)
- Feature selection by menu control
- Value hold function
- Min / Max value display
- 2 x 4.5 digits display with function
- Automatic switch-off
- Battery charge display

TECHNICAL SPECIFICATION



PRODUCT PROPERTIES

Material	ABS
Protection degree	IP67
Operating conditions	-5 ... +50°C 0... 90% RH without condensation
Autonomy	200 hours with 1800mAh alkaline batteries
Measuring units	lux - fcd - $\mu\text{mol}/\text{m}^2 \cdot \text{s}$ - cd/m^2 - W/m^2 - $\mu\text{W}/\text{cm}^2$ - $\mu\text{W}/\text{lumen}$
Dimensions	140 x 88 x 33 mm
Batteries	3 x 1.5 V AA
Weight	160 g

Measurement range (lux)	0.1 0 ... 199.99	... 1999.9	... 19999	.. .199.99 · 10 ³
Resolution (lux)	0.01	0.1	1	0.01 · 10 ³
Spectral range	in agreement with standard photopic curve V(λ)			

Class	B
Calibration uncertainty	<4%
f₁' (in agreement with photopic response V(λ))	<6%
f₂ (response according to the cosine law)	<6%
f₃ (linearity)	<1%
f₄ (instrument reading error)	<0.5%
f₅ (fatigue)	<0.5%
α (temp. coefficient) f₆ (T)	<0.05%K
Drift after 1 year	<1%
Working temperature	0... 50 C
Reference Standards	CIE n.69- UNI 11142

The Luxmeter is supplied in a carry case, with a LP 471 photo sensor, batteries and calibration certificate.

PART NUMBER

134056