

FEATURES

- Compact and lightweight
- 4 ranges/times covered
- Data Hold Function
- Analog output jack for recording
- Cosine angular corrected

RS PRO ILM1332A Light Meter, 0.01lx to 200000lx, $\pm 3\%$

RS Stock No.: 123-2220



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From the trusted RS PRO brand, the ILM-01 is a great value digital light meter with spectral sensitivity close to the CIE photopic standard curve. The light meter has a sensor that attaches by a flexible wire allowing you to easily take readings where you need to most. It features a 3 1/2 digit LCD display for quick and accurate reading of measurements, and has a stand for further convenience.

General Specifications

Model Number	ILM1332A
Sensor Type	Photodiode
Display Type	3-1/2 digit LCD
Features	Compact and lightweight
Temperature Characteristics	±0.1%/°C
Applications	Lighting of streets areas/ Lighting in museums/ Monitors

Light Measurement

Measuring Range	0.01Lux to 200000Lux / 0.001Ftc to 20000 Ftc
Minimum Light Level	0.01Lux
Maximum Light Level	200000Lux
Accuracy	±3%rdg ±0.5%f.s. dgt
Resolution	0.1Lux
Measurement Rate	2 times per second
Repeatability	±2%
Spectral Response	CIE Photopic
Spectral Accuracy	CIE V_{λ} function $f'1 \leq 6\%$

Electrical Specifications

Power Source	Battery
Battery Included	Yes
Battery Type	9V NEDA 1604
Battery life	200 Hours

Mechanical Specifications

Dimensions	135mm x 72mm x 33mm
Width	33mm
Depth	72mm
Height	135mm
Weight	250g
Casing Material	Plastic
Photosensor Cable Length	150cm (approx.)
Photosensor Dimensions	100mm × 60mm × 27mm

Operation Environment Specifications

Relative Humidity	<70% RH
Operating Temperature Range	0 to 40°C (32 to 104°F) 0 to 70% RH

Approvals

Compliance/Certifications	EN 61340-5-1:2007
Declarations	RoHS Certificate of Compliance



SPECIFICATIONS

Display	3-1/2 digit LCD
Measuring Range	200/2000/20000/200000 Lux
Overrange Display	Highest digit of (1) is displayed
Resolution	0.1 Lux
Accuracy	±3% rdg ±0.5% f.s. (Calibrated to standard incandescent lamp, 2856 K)
Spectral Response	CIE Photopic. (CIE human eye response curve)
Spectral Accuracy	CIE Vλ function f'₁ ≤6%
Repeatability	±2%
Temperature Characteristics	±0.1%/°C
Measuring Rate	Approximately 2 time/sec
Photosensor	Silicon photodiodes
Operating Temperature and Humidity	0 to 40°C (32 to 104°F) 0 to 70% RH
Power Source	One 9 Volt battery, NEDA 1604, JIS 006P or IEC 6F22
Battery Life (typical)	200 hours (Alkaline Battery)
Photosensor Lead Length	150 cm (approx.)
Photosensor Dimensions	100x60x27mm
Dimension	135x72x33mm
Weight	250g
Accessories	Carrying case, Instruction manual