

FEATURES

- Accurate and instant response
- Data Hold Function
- Max/Min/AVG Function
- Over range display

RS PRO ILM 1337 Light Meter, $\pm 3\%$ ± 5 Digits

RS Stock No.: 123-2222



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 ILM1337 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 digit LCD display for quick and accurate reading of measurements, and has a stand for further convenience.

General Specifications

Model Number	ILM 1337
Sensor Type	Photodiode
Display Type	3-1/2 digit LCD
Features	Accurate and instant response
Temperature Characteristics	±0.1% / °C
Applications	Lighting of streets areas/ Lighting in museums/ Monitors

Light Measurement

Measuring Range	0Lux to 20000Lux / 0Ftc to 20000Ftc
Minimum Light Level	0Lux
Maximum Light Level	20000Lux
Accuracy	±3%rdg ±5dgt
Resolution	0.01lux
Measurement Rate	2.5 times per second
Spectral Response	CIE Photopic
Spectral Accuracy	CIE V_{λ} function $f'1 \leq 6\%$

Electrical Specifications

Power Source	Battery
Battery Included	Yes
Battery Type	2 AAA
Battery life	400 Hours

Mechanical Specifications

Dimensions	150mm x 72mm x 35mm
Width	150mm
Depth	72mm
Height	35mm
Weight	320g
Casing Material	Plastic
Photosensor Cable Length	150cm (approx.)
Photosensor Dimensions	100mm x 60mm x 27mm

Operation Environment Specifications

Relative Humidity	<80% RH
Operating Temperature Range	0°C to 50°C <80% RH
Storage Temperature Range	-10°C to 60°C <70%RH

Approvals

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





SPECIFICATIONS

Display	3-1/2 digit LCD indication.
Measuring Range	20, 200, 2000, 20000, Lux 20, 200, 2000, 20000 fc (1 fc = 10.76 Lux)
Overrange Display	LCD will show "OL"
Resolution	0.01 Lux , 0.01 fc
Accuracy	±3% rdg ±5dgt (Calibrated to standard incandescent lamp, 2856 K)
CIE photopic	$f'_{1} \leq 6\%$
Cosine Response	$f'_{2} \leq 2\%$
Temperature Characteristics	±0.1% / °C
Measuring Rate	Approximately 2.5 time/sec
Photosensor	Silicon photodiodes
Operating / Storage Conditions	0 to 50°C <80% RH -10 to 60°C <70%RH
Power Source	6 pcs AAA size Battery
Battery Life (typical)	400 hours (carbon zine)
Photosensor Lead Length	150 cm (approx.)
Photosensor Dimensions	100x60x27mm
Dimension	150x72x35mm
Weight	320g
Accessories	Carrying case, Instruction manual, Battery