

## FEATURES

- Cosine angular corrected
- Data Hold Function
- Auto Ranging
- Auto Power Off
- Zero Adjustment
- Max/Min/AVG Function

# RS PRO IM203 Light Meter, 20lx to 200000lx, $\pm 3\%$

RS Stock No.: 106-5312



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

RS PRO Lux/FC light meter IM-203 is a great value lux/foot-candle light meter. It measures light from visible sources (sun, moon or any light-emitting body) and from equipped fluorescent, metal halide, high-pressure sodium and incandescent sources.

## General Specifications

<b>Model Number</b>	IM203
<b>Sensor Type</b>	Photodiode
<b>Display Type</b>	LCD
<b>Data Memory Capacity</b>	7000 records
<b>Features</b>	Cosine angular corrected
<b>Interface</b>	USB
<b>Calibration Availability</b>	calibrated to standard incandescent lamp 2856°K
<b>Applications</b>	Lighting of streets areas/ Lighting in museums/ Monitors

## Light Measurement

<b>Measuring Range</b>	20Lux to 200000Lux / 2Ftc to 20000Ftc
<b>Minimum Light Level</b>	20Lux
<b>Maximum Light Level</b>	200000Lux
<b>Accuracy</b>	±3%rdg
<b>Measurement Rate</b>	2.5 times per second
<b>Repeatability</b>	±2%

## Electrical Specifications

<b>Power Source</b>	Battery
<b>Battery Included</b>	Yes
<b>Battery Type</b>	9V NEDA 1604
<b>Battery life</b>	200 Hours

## Mechanical Specifications

<b>Dimensions</b>	172mm x 56mm x 38mm
<b>Width</b>	56mm
<b>Depth</b>	172mm
<b>Height</b>	38mm
<b>Weight</b>	250g

## Approvals

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





## Specifications:

● Display:	LCD display with maximum reading of 3999.
● Sensor	Silicon photodiode with filter and cosine correction.
● Sampling Rate:	2.5 times per second.
● Measuring Range:	20, 200, 2000, 20000, 200000 Lux 20, 200, 2000, 20000 Foot-candles
● Accuracy	±3% (Calibrated to standard incandescent lamp 2856°K) ±6% (other visible light source)
● Angle deviation from cosine characteristics:	30° : ±2% 60° : ±6% 80° : ±25%
● Power Supply:	9V NEDA 1604, IEC 6F22, JIS 006 P. battery x 1pc.
● Battery life:	About 200 hours.
● Dimension:	172× 56× 38 mm (L × W × H).
● Weight:	Approx. 250g with battery installed.
● Accessories:	Manual, 9V battery and carrying bag USB cable, Install CD Disk.