



Specification  
LM192  
Light Meter



All specified accuracies are at 25°C ±1°C, <80% R.H. for 1 year  
Temperature coefficient: 0.1 x (specified accuracy) per °C  
(0-24°C, 26-50°C)

Accuracy:

±3% (calibrated to standard incandescent lamp 2856°K) Note 1

Angle deviation from cosine characteristics error:

10° ± 1%    30° ± 2%  
60° ± 5%    80° ± 20%

Range: 0.0 to 199.9/1999/19990/199900 lx

0.0 to 19.9/199.9/1999/19990 fc

Resolution: 0.1lx, 0.1fc

Spectral response: CIE photopic Note 2

Light detector: Si photodiode

Note 1: The CIE standard illuminant A can be realized by means of CIE standard source A, which is defined as: A gas-filled tungsten-filament lamp operating at a correlated colour temperature of 2856K.

Note 2: The CIE photopic curve is an international standard for the colour response of the average human eye.

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**GENERAL**

Display: liquid crystal display

Sampling rate: twice per second

Over range: OL is displayed

Power: 2 x 1.5V AA alkaline batteries (IEC LR6, NEDA 15A)

Continuous operating time: approximately 80 hours

Auto power off: after 30 minutes (can be disabled)

Dimensions: 169 (L) x 63 (W) x 37mm (H)

Weight: 185g including batteries

Includes: storage case, 2 x 1.5V AA batteries and instruction manual.

**ENVIRONMENTAL**

Temperature & Humidity (Operating): 0°C to 40°C ≤ 80% R.H.

(Storage): -10°C to 50°C ≤ 70% R.H. with batteries removed

Altitude: up to 2000m

Pollution degree: 2

**EMC**

Conforms to BS EN 61326-1

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