



Specification

LM82

Light Meter



All specified accuracies are at 23°C ± 5°C, <70% R.H. for 1 year.
Temperature coefficient: 0.1 x (specified accuracy) per °C, (0°C to 18°C, 28°C to 50°C).

Range: 0 to 200k lux, 0 to 18580 fc
Resolution: 1 lux (0 to 19999 lux)
10 lux (20k to 200k lux)
1 fc (0 to 18580 fc)

Spectral response: CIE photopic ^{Note 1}

Relative spectral response: $f_1' < 8\%$

Acceptance angle: $f_2 < 2\%$ cosine corrected (150°)

Total accuracy for CIE standard illuminant A (2856K) ^{Note 2} :
± (3% rdg + 10 dgts)

Note 1 The CIE photopic curve is an international standard for the colour response of the average human eye.

Note 2 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.



Specification

LM82

Light Meter

GENERAL

Display: liquid crystal display

Measurement rate: once per second

Power: 2 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)

Continuous operating time: 180 hours typical.

Auto power off: after approx. 10 minutes

Low battery indication: This  is displayed when the battery voltage drops below the operating level

Dimensions: 132.9(L) x 50.9(W) x 24.7(D) mm

Weight: 116g approx. including batteries

Includes: protective cover, 2 x 1.5V AAA batteries, detachable carry strap and instructions

ENVIRONMENTAL

Operating environment: 0°C to 50°C at <70% R.H.

Storage environment: -20°C to 50°C, <80% R.H. with batteries removed.

EMC

Conforms to BS EN61326-1