

LM90 / LM92

LM90 ranges:

20lux, 200lux, 2000lux, 20klux
20fc, 200fc, 2000fc, 20kfc

Resolution: 0.1lux, 0.1fc (LM92)

Spectral response: CIE photopic

Total accuracy for CIE standard illuminant A (2856K):

±(3%rdg + 10 dgts)

Supply: 9V battery (NEDA 1604, IEC 6F22 006P) (included)

Dimensions: 190 x 65.5 x 35mm

Weight: 210g approx. (incl battery)

Includes: battery and manual

The LM90 is preferred for emergency lighting applications

Photometric Formulae:

10.764 foot candles=lux

(lumens/meter²)

0.0929 lux=foot candles

(lumens/ft²)

LM92 Ranges:

200lux, 2000lux, 20klux, 200klux
200fc, 2000fc, 20kfc, 200kfc

The LM92 is more sensitive at higher lux levels.

Light Meter

The LM90 light meter resolves down to 0.01 lux, making it ideal for use in very low light applications such as certifying emergency lighting.

The manual gives details of conversion factors for different light wavelengths allowing more accurate measurements. Peak Hold & Hold functions allow a maximum reading to be recorded or one particular result to be kept. Results can be shown in lux or foot candles.

The instructions contain a graph enabling different light sources to be measured eg LED, fluorescent.

Two versions are available:

LM90 ranges: 20 lux to 20k lux (resolves to 0.01LUX)

LM92 ranges: 200 lux to 200k lux (more sensitive in higher ranges).

ACCESSORIES

TC2C calibration



LM82

Range: 0 to 200k lux, 0 to 18580 fc

Resolution:

1 lux (0 to 19999)

10 lux (20k to 200k)

1 fc (0 to 18580)

Total accuracy for CIE standard illuminant A (2856K): ±(3%rdg + 10dgts)

Measurement rate: once per second

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

Weight: 116g incl batteries

Dimensions: 25 x 51 x 133mm

Light Meter

This compact light meter is suitable for most industrial applications and environmental monitoring.

It provides readings up to 200k Lux and will also display the results as foot candles (fc).

For more accurate measurements, the instruction manual provides a conversion chart for different light wavelengths.

ACCESSORIES

TC2C calibration



SP79

Measurement range: 32-130 dB

Measurement rate: twice per second

Display: 4 digit LCD

Resolution: 0.1dB

Frequency weighting: A and C

Frequency range: 20Hz-8000Hz

Detector: True-RMS with independent frequency weightings

Dynamic range: 60dB

Time weighting: SLOW & FAST

Microphone: 1/2" electret condenser

Supply: 6LR61 / MN1604 / PP3

Dimensions: 285 x 55 x 25 mm

Includes: windscreen, battery & case

Complies with: BS EN 61672-1:2003

Sound Level Meter

The SP79 is a Class 2 sound level meter for on-site measurements in accordance with Noise at Work legislation in industrial and office environments. Featuring A and C frequency weighting and fast and slow time weighting, the compact design can be handheld, or mounted on a tripod for longer term monitoring of Min / Max values. Detailed recording and analysis can be made using the AC and DC outputs.

The SP79 complies with BS EN 61672-1:2003 and is supplied with a detachable windshield and hard carry case. The large high contrast display includes both digital reading and analogue bar graph.

ACCESSORIES

TC2C calibration

SPC70 Class II sound level calibrator

