

# 400000lx Light Meter



## Features

- Light-measuring levels ranging from 0.01 lux~0.1k lux/0.01fc~0.1kfc, repeatedly
- High accuracy and rapid response
- Data-hold function for holding measuring values
- Automatic zeroing
- Meter corrected for spectral relative efficiency
- Correction factor need not be manually calculated for non-standard light sources
- Short rise and fall times
- Peak-hold function for tracing the peak signal of light pulse with least duration 10 $\mu$ s and keep it
- Capable of selecting measuring mode in lux or fc scale alternatively
- Auto power off 30 minutes
- Maximum and minimum measurements Relative reading & Reset function Backlit display

## Specifications

Display	: 3-3/4 digit LCD with high speed 42 segment bar graph
Measuring Range	: 40.00 lux, 400.0 lux, 4000 lux, 40.00 Klux and 300.0 Klux / 40.00 fc, 400.0 fc, 4000 fc, 30.00Kfc Note: 1fc=10.76lux, 1Klux=1000lux, 1Kfc=1000fc
Over Range Display	: LCD will show "OL" symbol
Spectral Response	: CIE Photopic. (CIE human eye response curve)
Spectral Accuracy	: CIE V $\lambda$ function f1' $\leq$ 6%
Cosine Response	: F2' $\leq$ 2%
Accuracy	: $\pm$ 5% rdg $\pm$ 0.5% f.s
Repeatability	: $\pm$ 3%
Sampling Rate	: 13.3 times/sec of analog bar-graph indication; 1.3 times/sec of digital display
Photo Detector	: One silicon photo diode and spectral response filter
Operating Temperature and Humidity	: 0°C to +40°C (+32°F to 104°F) and 0% to 80% RH
Storage Temperature and Humidity	: -10°C to +50°C (+14°F to 140°F) and 0% to 70% RH
Power Source	: 1 piece 9V battery
Photo Detector Lead Length	: 150cm (approx)
Photo Detector Dimensions	: 115mm $\times$ 60mm $\times$ 20mm (L $\times$ W $\times$ H)

## Part Number Table

Description	Part Number
400000lx Light Meter	TEN01070

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