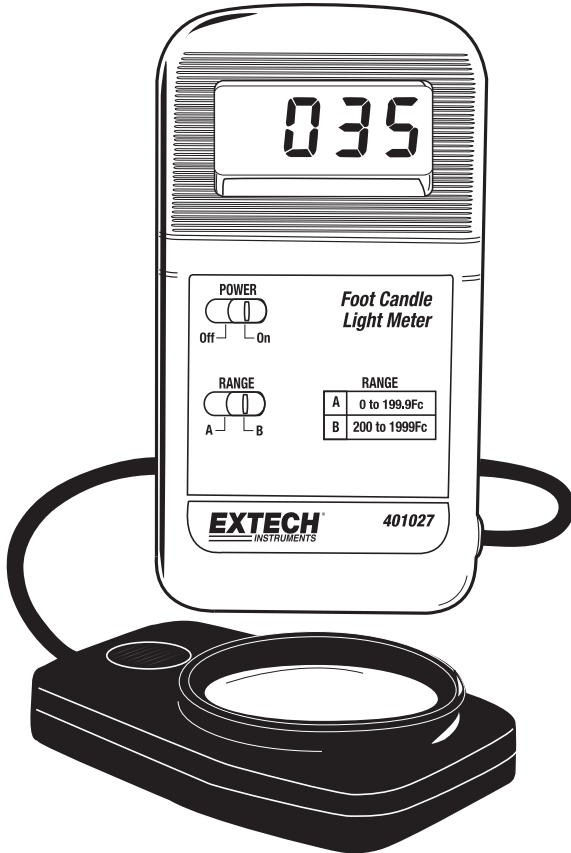


**Model 401027**

**Pocket Foot Candle Light Meter**



## Introduction

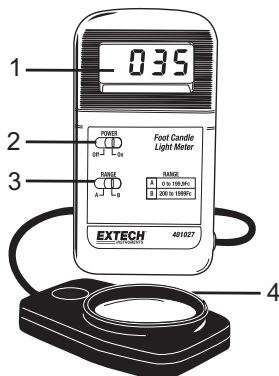
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Congratulations on your purchase of the Extech Pocket Foot Candle Light Meter which measures and displays light intensity in foot candle units. Two ranges can be selected (200.0 and 2000 Fc). The precision color-corrected photo-diode sensor provides 5% accuracy. This device is shipped fully tested and calibrated and, with proper use, will provide years of reliable service. Please visit our website ([www.extech.com](http://www.extech.com)) to check for the latest version of this User Guide, Product Updates, and Customer Support.

## Meter Description

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1. Display
2. ON/OFF switch
3. A-B Range switch
4. Light sensor



## Meter Operation

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1. Slide the ON/OFF Switch to the ON position.
2. Fold out the meter's rear tilt stand and set the meter on a desktop.
3. Select range 'B'.
4. Hold the Light Sensor with the white lens facing the light source to be measured. The sensor can also be placed on the desktop facing in the direction of the light source.
5. Read the light measurement on the LCD display.
6. If the measurement is less than 200 fc, select the lower 'A' range.

## Battery Replacement

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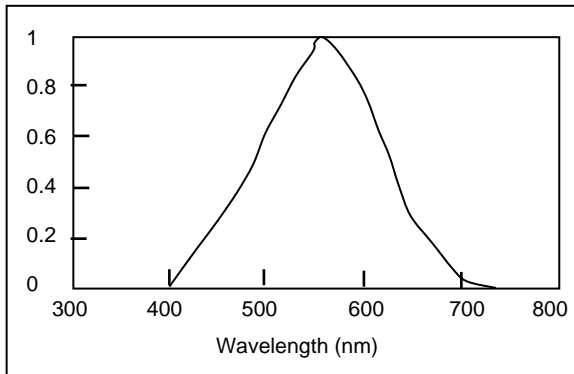
The low battery indicator "LO BAT" appears on the LCD display when it is nearing the time to replace the 9V battery. Reliable readings can still be obtained for several hours after the first appearance of the low battery indicator. To replace the batteries:

1. Slide the rear battery compartment cover off of the meter and remove the old battery
2. Replace the battery and reinstall the compartment cover



All EU users are legally bound by the battery ordinance to return all used batteries to collection points in the community or wherever batteries / accumulators are sold! Disposal in the household garbage is prohibited!

## Light Sensor Spectrum



## Specifications

Circuit	Custom LSI microprocessor based design
Display	13mm (0.5") 3.5 digit (1999 count) LCD display
Sensor	Photo-diode with color correction filter (meets CIE regulations)
Out of range indication	'1 ' is displayed
Sampling time	Approx. 0.4 seconds
Power Supply	9V battery
Power consumption	Approx. 2.7mA
Operating temperature	0°C to 50°C (32°F to 122°F)
Operating Humidity	< 80% RH
Weight	195g (0.43 lbs.)
Dimensions	Meter: 131 x 70 x 25mm (5.2 x 2.8 x 1") Probe: 82 x 55 x 7mm (3.2 x 2.2 x 0.3")
Accessories	Probe and 9V battery

## Range Specifications

Range	Resolution	Accuracy
0 to 199.9 Fc	0.1 Fc	± (5% + 4 digits) Full Scale
200 to 1999 Fc	1 Fc	

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