



Extech provides light measuring solutions for a wide range of users: from basic models that meet the requirements of a limited budget, to models with a wide measuring range that work in more demanding applications



Featuring Models with:

Pocket Size

for classroom experiments and basic applications

Analog output

For recording data over extended periods of time

High resolution

for low level measurements in places like parking lots, stairwells, and ATM machines

Backlighting

Easy to read in poorly lit areas

<< EA30 EasyView™

Light Meter

has one of the widest measurement ranges in the product line with full scale indications to 40,000Fc or 400,000Lux. This high measurement capability makes it possible to measure the level of brightness in direct sunlight or any high intensity light situation.

Accessories

409996	.....Medium Vinyl Carrying Case	.....\$15
409992	.....Small Vinyl Carrying Case for 401027	.....\$10
403999	.....Analog Output Cable for 403125	.....\$10

NIST Certificate

\$75

For an additional charge, Extech will supply your meter complete with a Certificate of Calibration Traceable to N.I.S.T. **To order meter with NIST**, add "NIST" to the meter part number and add \$75 to the cost of your meter (i.e. EA30-NIST \$234).



401027

\$69

Pocket Foot Candle Light Meter

Measures up to 2,000Fc for basic lighting applications

- Easy to operate Foot candle light meter with 2 ranges
- Convenient pocket size design
- Overrange indication
- Complete with 9V battery, light sensor with 47" (1.2m) cable, and built-in stand

Specifications

Model	401027
Display counts:	2000 count LCD
Fc Range:	200, 2000Fc
Lux Range:	—
Max. Resolution:	0.1Fc
Basic Accuracy:	±5%
Cosine & Color Corrected:	Yes
Analog output:	—
Dimensions:	5.2x2.8x1" (131x70x25mm)
Weight:	6.9oz (195g)
CE:	Yes
Warranty:	1 year
Price:	\$69



401025
\$119

Foot Candle/Lux Meter

Includes analog output and fast/slow response feature

- Accurately displays light level in terms of Fc or Lux over three ranges
- Select fast (1 second) or slow (2 seconds) response time
- Analog output of 1mV per count for capturing readings to a recorder
- Complete with 9V battery, light sensor with 47" (1.2m) cable, and built-in stand



403125
\$119

Light ProbeMeter™

Wide range with high 0.01Fc resolution and analog output

- Backlit display to view in dimly lit areas
- Remote light sensor on 59" (1.5m) cable conveniently mounts on top of meter for one hand operation and safe storage
- Data hold and Peak hold
- Optional analog output cable 403999 allows mV analog output for recording measurements
- Complete with light sensor and protective cover, carrying case, and 4 AAA batteries



EA30
EA31
From **\$119**

EasyView™ Big Digit, Wide range Light Meters

Choice of models for high intensity light measurements up to 40,000Fc and 400,000Lux

- Compact and rugged design with large display
- EA30: Widest range to 40,000Fc/400,000Lux is ideal for outdoor applications
- EA30 additional features: Large display with bargraph, Relative function for zero or difference from reference value and Peak captures short light pulses to 100µSeconds
- EA31 - Low range model measures to 2,000Fc/ 20,000Lux
- Data Hold and Min/Max readings
- Auto power off, Zero function
- Complete with built-in stand, light sensor and protective cover with 39" (1m) coiled cable, protective holster, 6 AAA batteries, and carrying case

Light Meters

401025

2000 count LCD
200, 2000, 5000Fc

2000, 20000, 50000Lux

0.1Fc/1Lux

±5%

Yes

Yes

6.4x2.8x1.2" (163x70x30mm)

8.3oz (220g)

Yes

1 year

\$119

403125

2000 count (backlit) LCD
20, 200, 2000, 20000Fc

20, 200, 2000, 20000Lux

0.01Fc / 0.01Lux

±3%rdg

Yes

Yes

7x1.7x1.6" (170x44x40mm)

7.76oz (220g)

Yes

1 year

\$119

EA31 (Low Range)

4000 count LCD

20, 200, 2000Fc

20,000Fc

20, 200Lux

2,000, 20,000Lux

0.01Fc/ 0.01Lux

±3%rdg+0.5%FS

Yes

—

5.9x2.8x1.4" (150x72x33mm)

8.3oz (235g)

Yes

1 year

\$119

EA30 (High Range)

4000 count LCD

40, 400, 4000Fc

40,000Fc

40, 400, 4000Lux

40,000, 400,000Lux

0.01Fc/ 0.01Lux

±3%rdg+0.5%FS

Yes

—

5.9x2.8x1.4" (150x72x33mm)

8.3oz (235g)

Yes

1 year

\$159



Extech's Light meters include models with data collection capability for long term analysis of lighting conditions. Special functions provide fast measuring solutions in a wide range of applications.



Featuring models with:

Datalogging

Store data for later download to a PC or direct viewing on the meter's display

Light Source Selection

Built-in corrections for spectrum variances of common light sources

Ripple and Multiple Point Average

Advanced features for difficult light measurement situations

<< 407026 Heavy Duty Light Meter

is designed for reliable everyday operation. Features such as light source selection, max/min/average and relative measurements improves functionality. Optional PC software for data acquisition and optional datalogger can be used to create a complete light measurement system.

Accessories for 407026

156119	.....117VAC Adaptor	\$17
156221	.....220VAC Adaptor	\$17
409997	.....Large Soft Vinyl Pouch Carrying Case	\$19
140001	.....Hard Vinyl Carrying Case with Handle	\$25
407001	.....Data Acquisition Software and Serial Cable	\$69
380340	.....Datalogger Module with PC-DOS software	\$199

NIST Certificate

\$75

For an additional charge, Extech will supply your meter complete with a Certificate of Calibration Traceable to N.I.S.T. **To order meter with NIST**, add "NIST" to the meter part number and add \$75 to the cost of your meter. (i.e. 407026-NIST \$244).

MultiMeter Light Adaptors



401020
401021
\$59

- A low cost alternative to a full size meter with display. Simply plug into your multimeter for direct measurements in Foot candles or Lux
- Two models measure in Foot candles (Fc) or Lux with three selectable measuring ranges and output of 1mV/count (See page 23 for details)

Specifications

Model	_____
Display counts:	_____
Fc Range:	_____
Lux Range:	_____
Max. Resolution:	_____
Basic Accuracy:	_____
Cosine & Color Corrected:	_____
RS-232 Interface:	_____
Datalogging:	_____
Dimensions:	_____
Weight:	_____
CE:	_____
Warranty:	_____
Price:	_____



407026
\$169

Heavy Duty Light Meter with PC Interface

Enhance accuracy by selecting one of four lighting types plus PC interface

- % displays differential from reference point
- "ZERO" Re-Calibration
- Enhance accuracy by selecting lighting type Tungsten/Daylight, Fluorescent, Sodium, Mercury)
- Data Hold, Min/Max/Avg readings
- Auto power off
- Built-in RS-232 PC serial interface with optional 407001 Data Acquisition software and 380340 Datalogger (see p. 75 for details)
- Complete with 9V battery, light sensor, and protective cover with 46" (1.2m) cable, and protective holster with stand, Optional 117V (156119) or 220V (156221) AC adaptors.



401036
\$229

Light Meter Datalogger includes PC Software

Internal memory stores up to 16,000 readings plus includes PC interface and software

- Calculates Luminous Intensity (candela) via interface software
- Capture and transfer up to 16,000 readings with selectable sampling rate
- RS-232 PC interface for remote meter operation and datalogging
- Data hold, MAX reading
- Complete with built-in stand, light sensor and protective cover with 39" (1m) cable, Windows® 95/98/NT/2000/ME/XP compatible software, RS-232 cable, 9V battery, and carrying case



EA33
\$249

EasyView™ Light Meter with Memory

Large LCD display with advanced illuminance functions and features

- Wide measurement range to 99,990Fc (999,900 Lux) with resolution of 0.001Fc and 0.01Lux
- Luminous intensity (candela) calculations
- Store and recall up to 50 measurements, includes relative or real time clock stamp
- Ripple function excludes the effect of stray light from the primary light source measurement
- Auto Power off with disable feature
- Multiple point average function
- Timed-Hold, Relative in absolute value or % deviation, and Comparator function with high low alarms
- Cosine and color corrected, CNS 5119 Class II
- Complete with built-in stand, light sensor and protective cover with 36" (0.9m) cable, protective holster, 6 AAA batteries, and carrying case

407026

2000 count LCD
200, 2000, 5000Fc
2000, 20000, 50000Lux
0.1Fc/Lux
±4%
Yes
Optional 407001 (see p. 75)
Optional 380340 (see p. 75)
7x2.9x1.3 (178x74x33mm)
1.6lbs (726g)
Yes
3 years
\$169

401036

2000 count LCD
20, 200, 2000, 20000Fc
20, 200, 2000, 20,000Lux
0.01Fc/Lux
±3%
Yes
included
16,000 records
5.7x 2.8x1.2" (145x72x31mm)
7.5oz (235g)
Yes
1 year
\$229

EA33

999,999 count LCD
9,999, 99,999, 999.9, 9,999, 99,990Fc
99.99, 999.9, 9,999, 99,990, 999,900Lux
0.001Fc/0.01Lux
±3%
Yes
—
—
5.9x2.8x1.4" (150x72x33mm)
11.29oz (320g)
Yes
1 year
\$249