



Light Meters

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

401027

401025



Featuring Model 407026

Auto Zero

Set baseline measurements in the field

High Resolution

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

Light Source Selection

Source selection of Sodium, Daylight/Tungsten, Fluorescent and Mercury improves accuracy for common light sources

PC Interface

Record data to a PC for analysis



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 and protective cover with 47" (1.2m) cable, and built-in stand

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 and protective cover with 47" (1.2m) cable, and built-in stand



Heavy Duty Series featuring Protective Rubber Holsters, Datalogging and PC Interface.

Accessories

- 409996Medium Vinyl Carrying Case
- 409992Small Vinyl Carrying Case for 401027

Accessories for 407026 only

- 156119117VAC Adaptor
- 156221220VAC Adaptor
- 409997Large Soft Vinyl Pouch Carrying Case
- 140001Hard Vinyl Case with Handle (for Heavy Duty Series)
- 407001Data Acquisition Software & Serial Cable
- 407001-USB ..USB adaptor for 407001
- 380340Battery Operated Datalogger Module

Order Meter with NIST Certificate*

All Extech meters come factory calibrated. For an additional charge, Extech will supply your meter with a Certificate of Calibration Traceable to N.I.S.T. with Data at multiple points. **To order meter with NIST:**

- 401027-NIST
- 401025-NIST
- 407026-NIST

*Only products listed are available with NIST Certificate. Meter must be ordered with NIST Certificate at time of purchase.

Specifications

Model	401027	401025
Fc Range	200, 2000Fc	200, 2000, 5000Fc
Lux Range	—	2000, 20000, 50000Lux
Max. Resolution	0.1Fc	0.1Fc/1Lux
Basic Accuracy	±5% FS	±5% FS
Cosine & Color Corrected	Yes	Yes
Analog output	—	Yes
RS-232 Interface	—	—
Datalogging	—	—
Dimensions	5.2x2.8x1" (131x70x25mm)	6.4x2.8x1.2" (163x70x30mm)
Weight	6.9oz (195g)	8.3oz (220g)
CE	Yes	Yes
Warranty	1 year	1 year



LT300

Light Meter

Digital and Analog display of light in Foot-candles or Lux

- Wide range to 20,000 Foot-Candles or Lux with high resolution to 0.01 Fc/Lux
- Relative mode indicates change in light levels
- Peak mode captures highest reading
- Remote light sensor on 12" (305mm) coiled cable — expandable to 24" (609mm)
- Utilizes precision photo diode and color correction filter
- Cosine and color corrected measurements
- MIN/MAX and Data Hold
- Large LCD display with analog bargraph
- Backlight for readings in low light levels
- Complete with 9V battery, light sensor with protective cover, and protective holster



403125

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
- Complete with light sensor and protective cover, carrying case, and 4 AAA batteries



407026

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
- MAX/MIN/AVG readings
- Auto power off
- Built-in RS-232 PC serial interface with optional 407001 Data Acquisition software 407001 and Datalogger 380340 (see p. 95 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.

LT300	403125	407026	Model
20,000Fc	20, 200, 2000, 20000Fc	200, 2000, 5000Fc	Fc Range
20,000Lux	20, 200, 2000, 20000Lux	2000, 20000, 50000LUX	Lux Range
0.01Fc/Lux	0.01Fc/Lux	0.1Fc/1Lux	Max. Resolution
±5% rdg	±3%rdg	±4%FS	Basic Accuracy
Yes	Yes	Yes	Cosine & Color Corrected
—	Yes	—	Analog Output
—	—	Optional 407001 (see p.95)	RS-232 Interface
—	—	Optional 380340 (see p. 95)	Datalogging
5.9x2.95x1.57" (150x75x40mm)	7x1.7x1.6" (170x44x40mm)	7x2.9x1.3" (178x74x33mm)	Dimensions
7oz (200g)	7.76oz (220g)	1.6lbs (726g)	Weight
Yes	Yes	Yes	CE
1 year	1 year	✓3 years	Warranty



Light Meters & Dataloggers

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 Model HD450

Datalogging

Datalogs up to 16,000 readings

Relative Mode

Indicates change in light level

Peak Mode

Captures highest reading (10µS)

USB Interface & PC Software

Record data to a PC for analysis



EA31



EasyView® Big Digit Light Meter

Measures light intensity up to 20,000Fc/Lux

- Compact and rugged design with large display and bargraph
- 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

EA30



EasyView® Big Digit, Wide range Light Meter

Measures high intensity light up to 40,000Fc and 400,000Lux, is ideal for outdoor applications

- Compact and rugged design
- Large display with bargraph
- Relative function for zero or difference from reference value
- Peak captures short light pulses to 100µSeconds
- 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



NIST Certificates issued by our in-house Calibration Lab for Light Meters provide multiple data points for two or more ranges.



In-house Calibration Lab for Light meters



NIST Certificate with Data available for majority of Extech meters

Order Meter with NIST Certificate*

All Extech meters come factory calibrated. For an additional charge, Extech will supply your meter complete with a Certificate of Calibration Traceable to N.I.S.T. with Data at multiple points. **To order meter with NIST:**

- EA31-NIST
- EA30-NIST
- EA33-NIST
- HD400-NIST
- HD450-NIST

*Only products listed are available with NIST Certificate. Meter must be ordered with NIST Certificate at time of purchase.

Specifications

Model	EA31	EA30
Display counts	2000 count LCD	4000 count LCD
Fc Range	20, 200, 2000, 20,000Fc	40, 400, 4000, 40,000Fc
Lux Range	20, 200, 2000, 20,000Lux	40, 400, 4000, 40,000, 400,000Lux
Max. Resolution	0.01Fc/Lux	0.01Fc/Lux
Basic Accuracy	±3%rdg + 0.5%FS	±3%rdg + 0.5%FS
Cosine & Color Corrected	Yes	Yes
RS-232 Interface	—	—
Datalogging	—	—
Dimensions	5.9x2.8x1.4" (150x72x33mm)	5.9x2.8x1.4" (150x72x33mm)
Weight	8.3oz (235g)	8.3oz (235g)
CE	Yes	Yes
Warranty	1 year	1 year

EA33



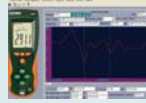
**EasyView®
Light Meter
with Memory**

Advanced illuminance functions and features

- Wide measurement range to 99,990Fc (999,900 Lux)
- 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
- Multiple point average function
- Timed-Hold, Relative in absolute value or % deviation, and Comparator function with high/low alarms
- Complete with built-in stand, light sensor and protective cover with 36" (0.9m) coiled cable, protective holster, 6 AAA batteries, and case

HD400

NEW



Software included

Available
Q1 2008



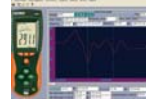
Light Meter

Large backlit display with fast, 40-segment bar graph for capturing trends

- Wide range to 4,000Fc or 40,000Lux
- Cosine and color corrected measurements
- Utilizes precision silicon photo diode and spectral response filter
- Peak mode (10µs) captures highest reading
- Relative mode indicates change in light levels
- Heavy duty, rugged double molded housing
- Built-in USB port
- Includes light sensor and protective cover with 39" (1m) cable, Windows® 95/98/NT/2000/ME/XP compatible software with USB cable, built-in stand, hard carrying case, and 9V battery

HD450

NEW



Software included

Available
Q1 2008



**Light Meter
Datalogger**

Automatically stores up to 16,000 readings or manually store/recall up to 99 readings

- Records in a continuous mode up to 16,000 readings
- Wide range to 4,000Fc or 40,000Lux
- Cosine and color corrected measurements
- Utilizes precision silicon photo diode and spectral response filter
- Peak mode (10µs) captures highest reading
- Relative mode indicates change in light levels
- Heavy duty, rugged double molded housing
- Built-in USB port
- Includes light sensor and protective cover with 39" (1m) cable, Windows® 95/98/NT/2000/ME/XP compatible software with USB cable, built-in stand, hard carrying case, and 9V battery

EA33	HD400	HD450	Model
999,999 count LCD	4000 count backlit LCD	4000 count backlit LCD	Display counts
9.999, 99.99, 999.9, 9999, 99,990Fc	40, 400, 4000Fc	40, 400, 4000Fc	Fc Range
99.99, 999.9, 9999, 99,990, 999,900Lux	400, 4000, 40kLux	400, 4000, 40kLux	Lux Range
0.001Fc/0.01Lux	0.01Fc/0.1Lux	0.01Fc/0.1Lux	Max. Resolution
±3%	±5%	±5%	Basic Accuracy
Yes	Yes	Yes	Cosine & Color Corrected
—	USB with software included	USB with software included	RS-232 Interface
—	—	16,000 data (continuous)/ 99 data (manual)	Datalogging
5.9x2.8x1.4" (150x72x33mm)	6.7x 3.1x1.6" (170x80x40mm)	6.7x 3.1x1.6" (170x80x40mm)	Dimensions
11.29oz (320g)	13.7oz (390g)	13.7oz (390g)	Weight
Yes	Yes	Yes	CE
1 year	1 year	1 year	Warranty