Tequipment.NET USA
205 Westwood Ave
Long Branch, NJ 07740
1-877-742-TEST (8378)
Fax: (732) 222-7088
salesteam@Tequipment.NET

Checking Light Levels Improves Safety and Saves Energy...

When you use the cal-LIGHT 400 Calibrated Precision Lightmeter. Too much light can waste energy and too little can cause eyestrain in classrooms, libraries, offices, and conference rooms, or mishaps in stairways and parking lots. Keep your facility safe, and save energy at the same time!

Use the cal-LIGHT lightmeter to measure how much light is falling down onto a surface. It's easy to use, just

Point...Click...Done!

And remember, our cal-LIGHT uses a silicon photodiode sensor corrected to measure exactly like the human eye sees. Every cal-LIGHT is certifiably calibrated and recognized by the American National Institute of Standards and Technology.

WHO?

- Maintenance Personnel
- Health/Safety Professionals
- Facility Managers
- Contractors
- Developers
- Engineers
- Lighting Specifiers
- Lighting Designers
- Landscape Architects
- Law Enforcement Agencies
- Architects
- Interior Designers

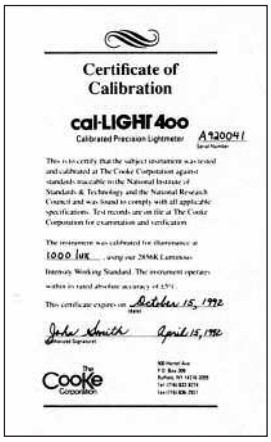
WHERE?

- Schools
- Offices
- Parking Lots
- Stairways
- Libraries
- Warehouses
- Museums/Art Galleries
- Stadiums
- Arenas
- Highways

The Cooke Corporation

Point...Click...Done!

The cal-LIGHT 400 Calibrated Precision Lightmeter


Certificate of Calibration

cal-LIGHT 400
Calibrated Precision Lightmeter A920041

1000 lux

October 15, 1992

April 15, 1992

The Cooke Corporation

This individual calibration certificate is supplied with each **cal-LIGHT** guaranteeing traceability to American NIST or NRC National Standards.

Specifications

Measuring Range
Autoranges 0.1 fc or lux to 40,000 fc or lux

Units
Choose fc or lux with user selectable switch located in battery compartment

Auto-power off
After approximately 1 minute

Accuracy
a) Intensity linearity: 2%
b) Photopic: Better than 1.0% of CIE curve
c) Cosine error: Less than ±1.0% up to an incident angle of ±85°
d) Overall accuracy: ±5% of displayed value

Calibration
Calibrations and recalibrations are performed by COOKE and are traceable to NIST and NRC National Standards. The photopic response of the calibrated sensor matches the CIE standard observer curve response to within 1% of the reading when using a standard tungsten source at 2856° K

Light Sensor
Silicon photodiode with photopic and cosine correction. Diameter 10 mm, angled 70° from display face

Display
10 mm high, easily-read LCD of 3¾ digits plus measuring units and battery diagnostics

Option: Illuminated LCD display also available

Battery (included)
9V alkaline
300 hours life in ON position
4 years life in OFF position

Temperature Range
Operation: 32° to 130° F (0° to 55°C)
Storage: -4° to 160° F (-20° to 70° C)

Carrying Case
Soft protective cover for safe storage and transport

Dimensions
5.5 x 2.3 x 1.0" (141 x 59 x 25 mm)

Weight
5.3 oz (150 g)

Ordering Information

cal-LIGHT 400, Calibrated Precision Lightmeter complete with instructions, battery (included), carrying case, integral stand and calibration certificate, CE certified, FOB Romulus, MI, USA.

Limited Warranty
All Models described in this brochure are warranted for twelve (12) months from date of purchase against electrical and mechanical defects in material and workmanship. Compliance with calibration is warranted for a minimum of six (6) months. This warranty does not apply to damage resulting from transportation, accidents, alteration, misuse, negligent handling, or operation with incorrect power supply. Any unit found to be defective within the warranty period will be repaired or replaced free of charge. Batteries are not covered by any part of this warranty. Liability is limited to repair or replacement of any unit found to be defective and there shall be no liability for any loss or damage (direct, indirect or consequential) arising from the use or loss of this unit.

This warranty set forth herein is exclusive and is in lieu of any and all other warranties expressed or implied including the warranties of merchantability and fitness.

Price and specifications subject to change without notice.

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