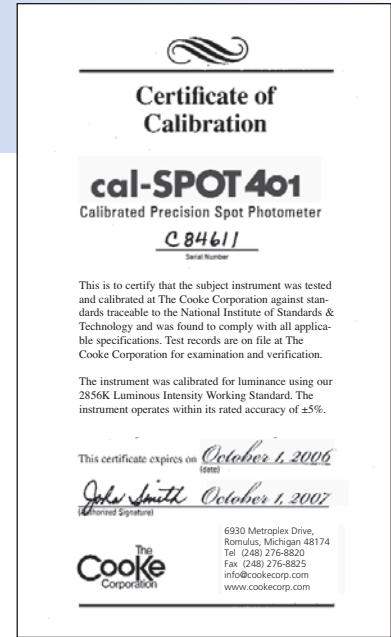


cal-SPOT 401

Calibrated Precision Spot Photometer



The cal-SPOT 401 is a calibrated precision spot measuring brightness meter designed with emphasis on user-friendliness and accurate measurements traceable to NIST and NRC Standards.

Description

- **Large LCD display** with units of measurement in metric units.
- **Calibration Seal** - affixed to every cal-SPOT after calibration assures authenticity and prevents unauthorized alterations.
- **“ON” and “HOLD” button** - click to display reading, hold to “freeze” and auto power off.
- **Wide Viewing Field** - zero magnification allowing both eyes to be open for comfortable viewing.

Features

- NIST calibration certificate with each instrument
- No magnification, use with both eyes open
- 1 degree measuring spot
- Single button operation
- Autorange, 0.1 to 400,000 cd/m²
- Auto power off
- User-friendly operation
- High stability silicon photodiode sensor with human eye response correction
- Carrying case

Specifications

Measuring Range - 0.1 to 400,000 cd/m²

Measuring Field - 1 degree

Viewing Field - 12 degrees

Magnification - 1X, no magnification

Working Distance - 1 yard to infinity

Sensor - Silicon photodiode with photopic filter

Spectral Response - CIE photopic curve (human eye response)

Accuracy ± 5%

Dimensions and Weight - 7.5" x 2.0" x 3.6", 22oz.

Temperature Range -

Operation: 32° to 130°F (0° to 55°C)

Storage: -4° to 160°F (-20° to 70°C)

Calibration Certificate - Traceable to NIST and NRC Standards

Applications

- Road illumination studies
- Setting instrument controls
- Evaluation of endoscopic instruments and other fiber optic light sources
- Psychological studies
- Greenhouse control
- CRT measurements
- Vision studies