
USER MANUAL

CATALOG # 3414F

FIELDSCOUT™

ULTRAVIOLET LIGHT METER



Spectrum
Technologies, Inc.

Thank you for purchasing a Field Scout™ 3414F Ultraviolet Light Meter. This manual describes the features and operation of the meter.

Using the Meter

1. Turn the dial clockwise to the “ON” position.
2. Hold the meter vertical for accurate readings.
3. Turn the meter off after use to conserve battery power.

Changing the Battery

The Field Scout Light Meters use a standard 9V battery. To change the battery:

1. Remove the two screws on the back of the meter.
2. Lift the back from the bottom of the meter.
3. Remove the old battery from the connector, and snap the new battery in its place. Set the battery into the front half of the case.
4. Connect the front and back of the case at the top (by the sensor).
5. Close the case and tighten the two screws.

Accuracy

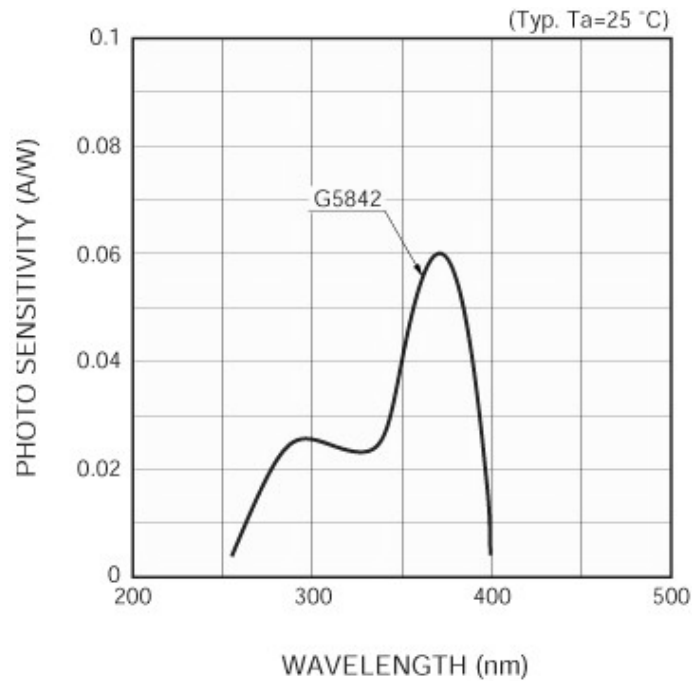
The Field Scout Light Meters are accurate to $\pm 5\%$. Cosine correction is accurate to $\pm 3\%$ at 45° , and $\pm 7\%$ at 80° .

For customer support, or to place an order,
call Spectrum Technologies, Inc. at
(800)248-8873 or (815) 436-4440
between 7:30 am and 5:00 p.m. CST
FAX (815)436-4460
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www.specmeters.com

Spectrum Technologies, Inc
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A quantum is the amount of energy possessed by a photon. The Field Scout Ultraviolet Light Meter is calibrated to display the intensity of ultraviolet light in the 250-400 nm wavelength range in units of $\mu\text{mol m}^{-2} \text{s}^{-1}$ (the number of photons in units of micromoles, striking an area one meter square each second). The meter displays 0-199.9 $\mu\text{mol m}^{-2} \text{s}^{-1}$.

The following chart displays the spectral response of the Ultraviolet Light Meter.



WARRANTY

The Field Scout™ Light Meters are warranted to be free from defects in materials and workmanship for a period of 1 year from the date of original purchase. During the warranty period, Spectrum will, at its option, either repair or replace products that prove to be defective. This warranty is void if the product has been damaged by customer error or negligence, or if there has been an unauthorized modification.

Returning Products to Spectrum

Before returning a failed unit, you must obtain a Returned Goods Authorization (RGA) number from Spectrum. You must ship the product(s), properly packaged against further damage, back to Spectrum (at your expense) with the RGA number marked clearly on the outside of the package. Spectrum is not responsible for any package that is returned without a valid RGA number or for the loss of the package by any shipping company.

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