



LightScout UV Meter

Product Images



Short Description

Monitor critical UV radiation (250-400 nm) with this handheld meter.

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Additional Information

Brand	Spectrum Technologies
Explanation	Plants can suffer from sunburn; exposure to radiation in the mid-ultraviolet part of the electromagnetic spectrum (UV-B) triggers stress responses, inhibition of photosynthesis and DNA damage. As an initial defense, plants produce and accumulate UV-B-absorbing chemical sunscreens, such as flavonoids and sinapate esters, to block low-dosage UV-B. Click here for the Measuring Light brochure for explanation about how various parts of the light spectrum affect plant health and growth.
Ideal For	Agronomy
Indoor Unit	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 $\mu\text{mol m}^{-2} \text{s}^{-1}$.
Power	Battery Only
Specification	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° .