



LightScout UV Meter

Product Images



Short Description

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

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

Additional Information

Brand	Spectrum Technologies
Explanation	<p>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.</p> <p>Click here for the Measuring Light brochure for explanation about how various parts of the light spectrum affect plant health and growth.</p>
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° .