



Davis Ultra Violet Sensor

Product Images



Short Description

For use with Vantage Pro2 measures UV radiation.

Description

This precision, patented UV sensor measures the sunburning portion of the UV spectrum. It enables you to display UV index, dose rate, and daily and accumulated dose.

Detects ultraviolet (UV) radiation at wavelengths of 290 to 390 nanometers; the spectral response is closely matched to the Erythema Action Spectrum, defined by McKinlay and Diffey (1987) and internationally recognised as the radiation that is most responsible for causing redness of the human skin.

Compatible with Vantage Pro2 (already included with Vantage Pro2 Plus), Sensor Transmitter, and EnviroMonitor Node.

Additional Information

Brand	Davis Instruments
Explanation	<p>Multi-layer filter provides a spectral response that closely matches the Erythema Action Spectrum. Diffuser provides excellent cosine response.</p> <p>Designed for accuracy</p> <ul style="list-style-type: none">• Diffuser provides excellent cosine response.• Measures global solar UV irradiance, which includes both directly transmitted and scattered UV.• Transducer responds only to radiation in the region of interest and is stable in the presence of heat and humidity.• Cutoff ring with a comb structure for cosine response of $\pm 4\%$ FS. <p>Stands up to the weather</p> <ul style="list-style-type: none">• Two-piece housing minimises radiation heating, allows convection cooling of the sensor, and prevents the trapping of water or dust.
Contents	UV sensor with built-in level 2 ft (0.6 m) cable
Measurements	UV
Installation	<p>Requires</p> <ul style="list-style-type: none">• A Vantage Pro2 sensor suite (note: Vantage Pro2 Plus and GroWeather already include this product) OR• A Sensor Transmitter OR• An EnviroMonitor Node <p>AND</p> <ul style="list-style-type: none">• A Sensor Mounting Shelf (DI-6673) for mounting to a Vantage Pro2 sensor suite OR• A Universal Mounting Bracket (DI-7714) for mounting with a Sensor Transmitter or an EnviroMonitor Node.