



# Davis UV & Solar Radiation Upgrade Kit for Pro2

## Product Images



## Short Description

Upgrade your vantage Pro2 to a Vantage Pro2 Plus with this upgrade kit.

The kit includes a UV sensor, Solar Radiation sensor, and a Sensor Mounting Shelf to mount the sensors on a Vantage Pro2 weather station. Mounting hardware included. Assembly required.

## Description

A UV radiation sensor is useful for those who wish to reduce exposure to UV radiation, but it is also a necessity in certain testing environments. For companies that make products that are sensitive to UV light, a UV light sensor is a helpful tool used to create optimal product storage environments.

A Solar Radiation sensor measures solar radiation for evapotranspiration (ET) and Temperature/Humidity/Sun/Wind (THSW) Index. The diffuser element and housing are carefully designed for accurate cosine response, and the silicon photo diode provides good match to solar spectrum.

## Additional Information

Country of Manufacture	United States
Brand	Davis Instruments
Explanation	<p><b>UV Sensor</b></p> <ul style="list-style-type: none"><li>• Measures the sunburning portion of the UV spectrum. Allows you to display UV index, dose rate, and daily accumulated dose.</li><li>• Diffuser provides excellent cosine response.</li><li>• Measures global solar UV irradiance, which includes both directly transmitted and scattered UV.</li><li>• Transducer responds only to radiation in the region of interest and is stable in the presence of heat and humidity.</li><li>• Cutoff ring with a comb structure for cosine response of <math>\pm 4\%</math> FS.</li><li>• Two-piece housing minimizes radiation heating, allows convection cooling of the sensor, and prevents the trapping of water or dust.</li></ul> <p><b>Solar Radiation Sensor</b></p> <ul style="list-style-type: none"><li>• Measures solar radiation for evapotranspiration (ET) and Temperature/Humidity/Sun/Wind (THSW) Index.</li><li>• Diffuser element and housing are carefully designed for accurate cosine response.</li><li>• Silicon photo diode provides good match to solar spectrum.</li></ul> <p><b>Sensor Mounting Shelf</b></p> <ul style="list-style-type: none"><li>• For mounting solar radiation sensor and/or UV sensor on a Vantage Pro2 integrated sensor suite weather station.</li></ul>
Measurements	Solar Radiation, UV