

For monitoring of global UV irradiance (total UV).
Excellent linearity and directional response.
Reliable under all weather conditions.



High quality dome and diffuser give optimised directional response, an optical filter provides sensitivity to combined UV-A and UV-B as shown in the graph below. The photodiode generates a voltage output linearly proportional to the UV intensity.

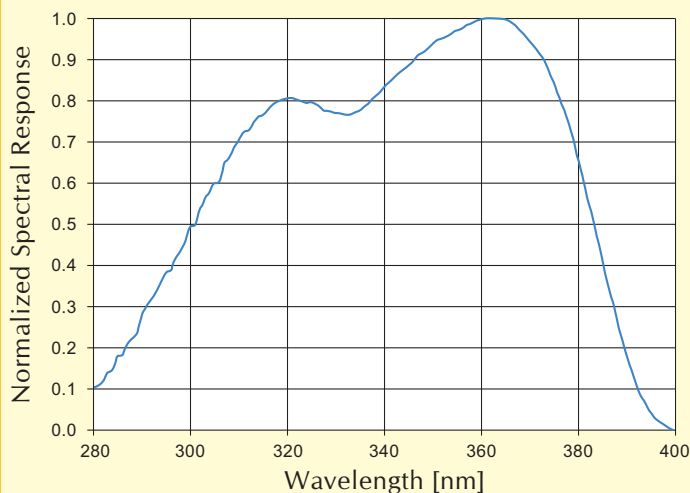
A waterproof plug and socket cable connection facilitates easy installation. The snap-on sun shield covers the connector and allows viewing of the integrated bubble level. The screw-in drying cartridge can be removed by simply using a coin, for replacement of the desiccant that is supplied in convenient refill packets.

CUV 4 is a general-purpose instrument for applications in meteorology, for material testing, for monitoring of lamps and for use in ageing tests in solar simulators.

SPECIFICATIONS

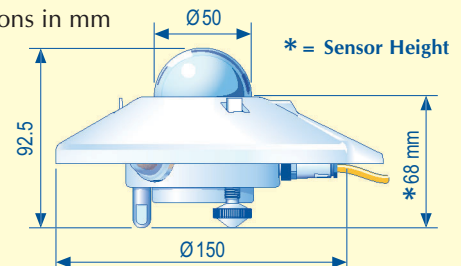
Spectral range (50% points)	305 to 385 nm
Spectral selectivity (320 to 380 nm)	< 20 %
Response time (95%)	< 1 s
Non-linearity (0-100 W/m ²)	< 1 %
Sensitivity	1 mV/W/m ²
Temperature dependence of sensitivity	+0.1 %/°C
Impedance	10 KΩ
Maximum irradiance	100 W/m ²
Directional error (at 80° zenith angle)	< 10 %
Operating temperature	-40 to +80 °C
Weight, including cable	0.9 kg
Standard cable length	10 m

SPECTRAL RESPONSE



SOLAR & ATMOSPHERIC SCIENCE

Dimensions in mm



CUV 4 is not suitable for the measurement of specific parts of the UV spectrum such as UV-A, UV-B, UV-E / UV-Index. For measurement of these parameters we recommend our UVS Series.