

UVS-E-T



UVS-E-T Radiometer

UVS-E-T has a spectral response function close to the Erythral (sunburn) action spectrum of the human skin (ISO: 17166:1999 / CIE S 007/E-1998). UVE includes some UVA radiation and a response into the UVC band. For this reason a UVB radiometer should not be used to measure UVE and to calculate the Global Solar UV Index.

Specifications

Spectral range	ISO 17166:1999 CIE S007/E-1998
Typical sensitivity	0.2 W/m ² /V
Response time (95 %)	< 1.5 s
Non-stability (change/year)	< 3 %
Non-linearity (over full range)	< 1 %
Directional error (at 70 ° solar zenith angle)	< 2.5 %
Temperature dependence	Temperature stabilized at +25 °C, ± 2 °C
Operating temperature (full accuracy)	-40 °C to +50 °C
Internal temperature output	-2.5 V @ +25 °C
Output range	0 to 3 V
Power supply	7 to 18 VDC / 8 W
UVIATOR software	Included, corrects for solar zenith angle and Ozone

Article	Part number
UVS-E-T UV Radiometer • 10 m cable	0354930-002
Options for UVS-E-T	
UVS-E-T UV Radiometer • 25 m cable	0354930-004
UVS-E-T UV Radiometer • plug only, no cable	0354930-008

Accessories for UVS-E-T	Part number
Desiccant Refill Pack , set of 10 packs	2643951
CVP 2 Power Supply 115 / 230V AC Power adaptor with 12 VDC output	0349401
<i>Note: CVP 2 is not suitable for unprotected outdoor use</i>	
CMF 2 Mounting Fixture For 1 or 2 UVS radiometers (1 upper / 1 lower) Diameter 220 mm. Mounting rod 350 mm long x 16 mm Ø	0362701
CMB 1 Mounting Bracket In combination with CMF mounting fixture for easy attachment to a pole or a wall	0369701

Software for UVS-E-T	Part number
UVIATOR software package on CD-ROM For older UVS radiometers	0354120
Increases accuracy of UV measurements by correcting error sources. When the calibration file for a particular UVS is imported, along with correctly formatted measurement data, UVIATOR automatically makes corrections for total column Ozone concentration (using online satellite data) and for air-mass.	
<i>Note: UVIATOR is supplied included with all new UVS radiometers</i>	