

UV LIGHT IRRADIANCE METER

Product Features

- Hand held UV meter with interchangeable sensor heads.
- UV light irradiance measurement in milliwatts per square centimetre (mW/cm²).
- Choice of sensor head - depends on wavelength range to be measured.
- Choice of measuring range depends on the power output of the UV light source to be measured.
- 4 digit LCD.
- Integral 9V battery supply.
- Low battery level indicator light.
- Carrying case.



Options

- Choice of sensor heads with spectral sensitivity in the following wavelength ranges:

Wavelength range (nm)	Peak spectral response (nm)
315 – 395	340
265 – 325	295
220 – 290	270

- Choice of two UV light irradiance measuring ranges as follows:

	0-199.9 mW/cm ²	0-1999 mW/cm ²
Display graduation	0.1 mW/cm ²	1 mW/cm ²
Reproducibility	0.3 mW/cm ²	3 mW/cm ²
Accuracy	+/- 1 mW/cm ²	+/- 10 mW/cm ²

Technical Data

UV Meter	
Measurement unit	mW/cm ²
Display	4 digit LCD
Construction material	Impact resistant polystyrene
Dimensions	152mm x 85mm x 30mm
Weight	220g
Operating temperature range	10°C - 19°C (maximum exposure time 1 minute) 20°C - 30°C (continuous exposure) 31°C - 40°C (maximum exposure time 1 minute)
Power supply	9V battery
Calibration interval	6 to 12 months depending on usage



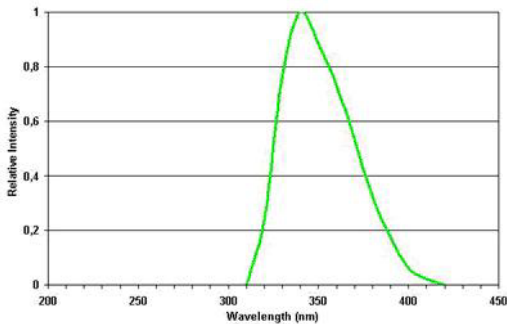
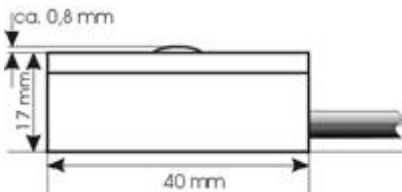
Technical Data (continued)

UV Sensor Heads

Construction material	Teflon (PTFE)
Weight (including cable)	70g
Connecting cable length	Approximately 1m
Operating temperature range	10°C - 14°C (maximum exposure time 5 seconds) 15°C - 50°C (continuous exposure) 51°C - 100°C (maximum exposure time 5 seconds)

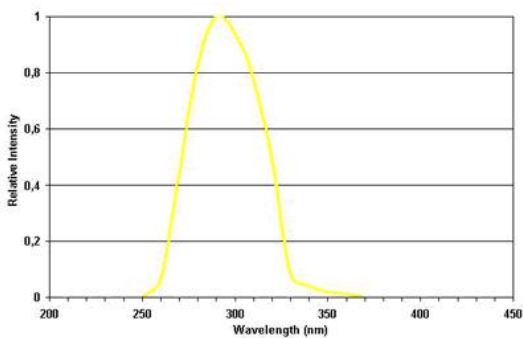
Schematic Drawing

All dimensions in millimetres (mm)
Tolerance +/- 1mm



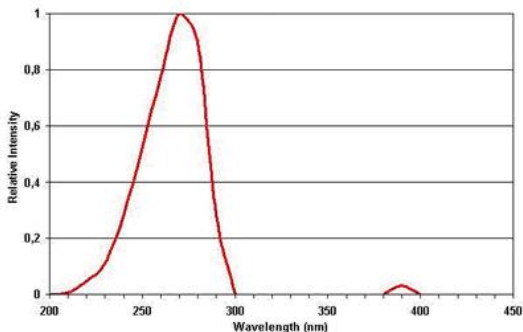
UV spectral sensitivity range 315 - 395nm

Peak spectral response 340nm



UV spectral sensitivity range 265 - 325nm

Peak spectral response 295nm



UV spectral sensitivity range 220 - 290nm

Peak spectral response 270nm



Due to our policy of continual development, we reserve the right to amend technical data.

