

UIT-700

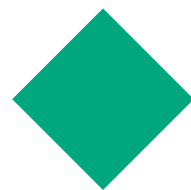
Accumulated UV Meter



Features

- ◆ Incorporated touch panel interface: Enhancing usability and visibility
- ◆ Utilizes a secondary battery; recharging enables repeated use
- ◆ Offers inter-instrument error correction
- ◆ Measurement data can be stored in internal memory and displayed on the UIT-700
- ◆ Data can be transferred to and accessed from a PC
- ◆ UVDD-SLED: facilitates measurements across multiple LED wavelength ranges

The UIT-700 is an advanced UV meter renowned for its exceptional functionality, capable of measuring a broad range from $0.1 \mu\text{W}/\text{cm}^2$ to $25 \text{ W}/\text{cm}^2$, within a single unit.



Applications

- ◆ UV exposure: Electronics (Semiconductor, FPD)
- ◆ UV curing: Electronics (Semiconductor, FPD)
Industrial (Printing)
- ◆ UV sterilization: Medical

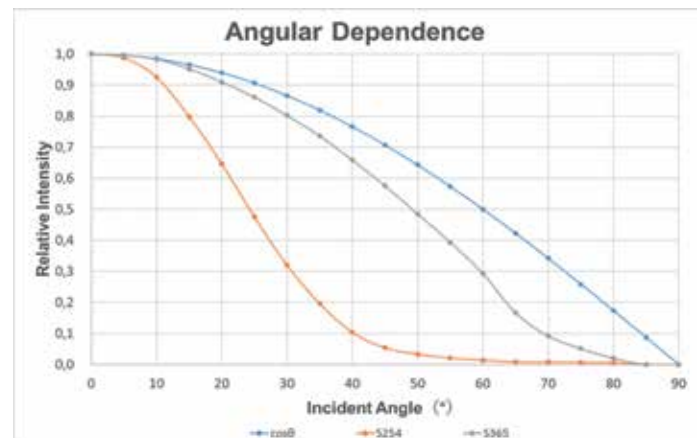
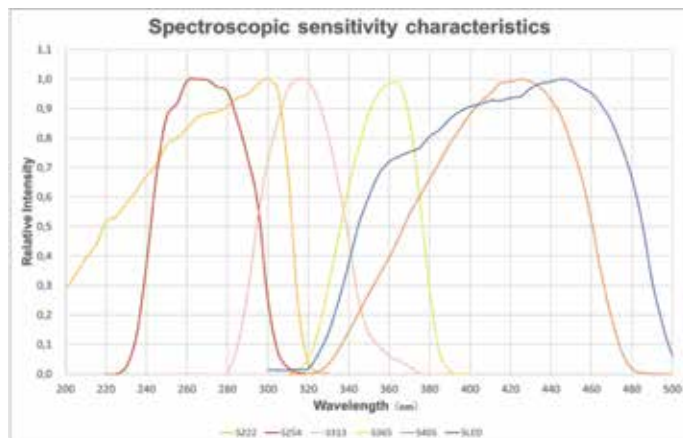
Specifications

Wavelength (nm)	222, 254, 313, 365, 405, LED (385~450)
Irradiance measured range (wavelength)	0.1 $\mu\text{W}/\text{cm}^2$ ~ 10 mW/cm^2 (222) 0.1 $\mu\text{W}/\text{cm}^2$ ~ 2 W/cm^2 (405) 0.1 $\mu\text{W}/\text{cm}^2$ ~ 5 W/cm^2 (313) 0.1 $\mu\text{W}/\text{cm}^2$ ~ 15 W/cm^2 (254, 365) 0.1 $\mu\text{W}/\text{cm}^2$ ~ 25 W/cm^2 (LED)
Angular dependence	To cosine curve approximation (254 is excluded)
Wavelength for calibrating absolute value	222, 254, 313, 365, 405, LED (385, 395, 405, 450)
Calibration precision (when shipped from factory)	$\pm 5\%$ (313, 365, 405, LED), $\pm 10\%$ (222, 254)
Power	Battery charging / USB bus power
External interface	RS-232C communication / USB / Analog 0-2 V (monitor mode only)
Dimensions (mm)	80 × 187 × 30 (Photodetector is excluded)
Conditions of safety standards	CE EN61326-1, UKCA

Specifications may be subject to change without notice.

Optical Performance

Spectroscopic sensitivity characteristics



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Intended use: Specifically designed and exclusively approved for use in industrial applications that require a particularly high UV output

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