

ORC[®]

UV IRRADIANCE METER for UVC-LED

UV-LED-01C / UV-LED-CS01C

Flat spectral response characteristics for a wide range of UV-LEDs in the UVC band.



<<Calibration Site>>

- Calibration for each measurement wavelength for high accuracy measurement
- Dedicated calibration for UV-LED that enables highly accurate measurements
- Calibration system traceable to national standards

■ Specification

M o d e l	UV-LED-01C / UV-LED-CS01C
Wavelength range	254 nm ~ 295 nm
Measurable range 【Irradiance】	0.001 mW/cm ² ~ 200.0 mW/cm ²
Measurable range 【Radiant exposure】	0.001 mJ/cm ² ~ 19,999 J/cm ²
Ambient operating temperature	0 °C ~ 60 °C
Adjusting accuracy	±1.5% (Compared to ORC standard model)
Power supply	Dry cell AA battery 2 pcs or AC100V~240V
Control signal	RS-232C
Recorder output	DC 2 V in full scale
Sensor cord length	1.5 m
Sensor model	UV-LED-CS01C
Sensor diameter	Approximately φ 3 mm
D i m e n s i o n s	UV-LED-01C) W71×D29×H151 mm UV-LED-CS01C) W20×D10×H35 mm
W e i g h t	UV-LED-01C) 130 g UV-LED-CS01C) 60 g

■ Relative spectral responsivity (Example)

■ Sensor size

<<Calibration Suite>>

By selecting the wavelength that matches the UV-LED to be measured, the spectral response can be flattened and the measurement accuracy can be improved. Select from calibration center wavelengths of 254 nm and every 5 nm from 255 nm to 295 nm.

