

UV actinometer

MODEL UIT-201



UIT-201 is a compact and truly user-friendly model. It realizes good illumination control according to your needs at site for illumination devices, ultraviolet hardening, and cleaning/pasteurization devices.

■ Major characteristics

1. Replacement of photodetector makes it possible to measure 2 wavelength regions (central wavelength, 365nm, 405nm).
2. Dry battery or external power*1 can be used.
3. Extension cord from main body to photodetector (standard cord 2m) is available
*1 AC adapter (Optional)

■ Main specification

Display	4-digit liquid crystal digital display		
Functions	Real time illuminance, Range switching(3 steps), sensitivity value(CAL value), adjustment		
Photometric Range	Photodetector	UVD-365PD	UVD-405PD
	Sensitivity	12.0~150.0 μ A/(W/cm ²)	120~1500 μ A/(W/cm ²)
	Max. measurement	1999mW/cm ²	199.9mW/cm ²
	Min. resolution	0.01mW/cm ²	0.001mW/cm ²
Analogue output	Output voltage: 1.999v Respond speed: approx. 59msec. Output impedance: less than 2k Ω		
Power source	3 size AAA batteries, or external power by AC adapter (optional) When using dry battery, it can be used for approx. 45 hours continuously in normal operation.		
External dimensions	80(W) \times 180(D) \times 19(H)mm		
Weight	150g		

■ Spec. for photodetector

Item	Form	UVD-365PD	UVD-405PD
Sensitivity wavelength region		330~390nm	330~490nm
Absolute value calibration wavelength		365nm	405nm
Calibration accuracy		\pm 5% (nm)	
Non-linearity		Within \pm 1% (%)	
Temperature range(Temperature of photodetector)		0~50 $^{\circ}$ C	
Temperature dependency(Example)		-0.2%/ $^{\circ}$ C	-0.1%/ $^{\circ}$ C
Measurement range Min. value is min. resolution		0.01~500(mW/cm ²)	0.001~150.0(mW/cm ²)

* Specifications and design details may be subject to change. C-No. E100729M

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