

UV POWER METER C10427, H10428

OVERVIEW

Hamamatsu offers a new optical power meter designed to measure absolute power of UV light. This optical power meter has a flat spectral response over a wide UV wavelength range and so can measure the optical power in the spectral response range independent of the spectral emission distribution of light sources.



Left: Controller Right: Sensor Head



- •Flat spectral response over a wide UV range
- ullet Wide light-receiving angle close to $\cos\theta$
- •Sensor head even thinner than our current models
- **●**Calibration certificate attached
- Ideal for monitoring / controlling light source power for photocatalyst
- **●With carrying case**

APPLICATIONS

- Black Light
- **OUV LED**
- **OUIT**

CHARACTERISTICS

Parameter			Controller: C10427, Sensor Head: H10428	Unit
Spectral Response Range			310 to 380	nm
Effective Sensor Diameter			ϕ 10	mm
Measurement Range			0.001 to 100 (measuring range switching : 4-stage)	mW/cm ²
		Continuous	Displays every 0.5 seconds	_
	ement Mode	Integration	Displays value integrated for a certain time	_
Measure			(settable from 1 to 9999 seconds in 1 second steps)	
		Peak Hold	Displays peak value during measurement	_
		Temperature	Measures sensor temperature (sensor is mounted in head)	_
Analog Output			0 to +2 ^(A)	V
External Interface			USB2.0 / RS-232C	_
Power Requirement			AC adapter or two AAA battery [®]	_
Weight	Controller + sensor head		Approx. 170 (including two AAA battery)	g
vveigni	Controller + connection cable + sensor head		Approx. 300 (including two AAA battery)	g
Operating ambient temperature / humidity			0 °C to +40 °C / 80 % or less	_
Storage ambient temperature / humidity			-20 °C to +50 °C / 80 % or less	_

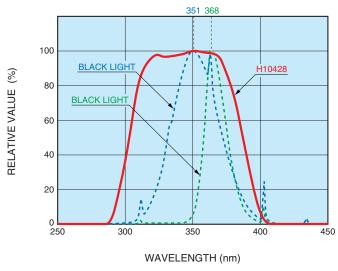
AThe +2 V is corresponded to the maximum input light power value at the measuring range. BAAA battery must be prepared by the user. Supplied: Sensor head connection cable, USB cable, RS-232C cable, analog output cable, AC adapter, AC cable, carrying case

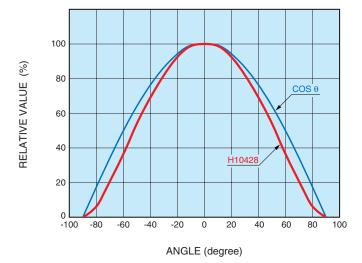


CHARACTERISTICS

Relative Spectral Response Characteristic of Detector (Typ.)

Detector Sensitivity vs. Incident Light Angle (Typ.)



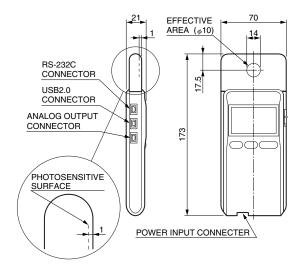


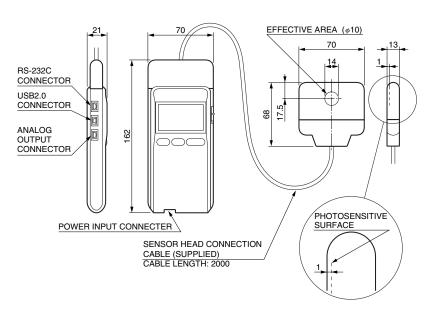
Note: Slight response may occur at some wavelength over 420 nm.

DIMENSIONAL OUTLINES (Unit: mm)

●Controller + Sensor Head

●Controller + Cable + Sensor Head





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