HAMAMATSU

UV POWER METERS C6080 SERIES

A Wide Lineup of 248 nm, 365 nm and 436 nm Type

The C6080 series is a compact UV power meter specifically designed to measure the intensity of UV radiation emitted from the light guide output end of a UV spot light source. The C6080 uses a UV sensor that exhibits stable sensitivity even after long exposure to UV radiation, allowing reliable measurement with good repeatability. As a useful option, an adapter for clamping the light guide output end is also available.

FEATURES

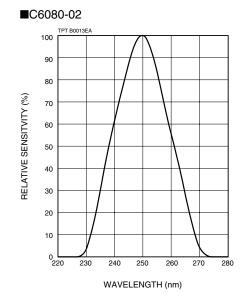
- ●Compact and lightweight
- Excellent accuracy
- ●Absolute value display of UV intensity (mW/cm²)
- ●Easy-to-read digital display
- Sensor head isolated from display unit allows flexible measurement.
- ●200-hours continuous operation by 9 V battery (006P)
- External output (analog output)

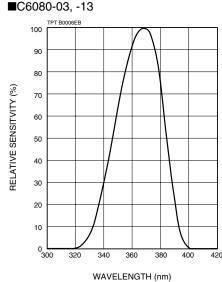
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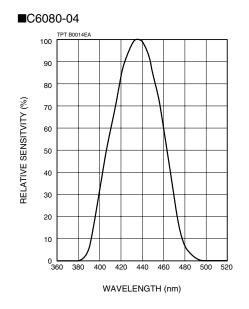
APPLICATIONS

- UV intensity measurement of UV curing and UV ink light sources
- UV intensity measurement of various UV spot light sources

Figure 1: Spectral Response Characteristics







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UV POWER METERS C6080 SERIES

SPECIFICATIONS

Parameter		C6080-02	C6080-03	C6080-04	C6080-13	Unit	
Sensitive Area		φ6	φ1			mm	
Sensitive Wavelength Range		230 to 270	320 to 400	380 to 480	320 to 400	nm	
Calibrated Wavelength		248	365	436	365	nm	
Optical Power	SENS. L	1 to 1999 10 to 19			10 to 19990	mW/cm ²	
Measurement Range *	SENS. H		0.1 to 199.9		1 to 1999	IIIVV/CIII-	
Display		3·1/2 digits Liquid crystal digital display				_	
Sampling Interval		2.5				times/s	
External Output (analog)		1.000 V per liquid crystal display "1000"				_	
Operating Temperature Range		0 to +50				°C	
Power Requirement		9 V battery (006P) 1 piece				_	
Current Consumption		2				mA Max.	
Weight	Sensor Head (including cable)	Approx. 100 Approx. 200			g		
	Display Unit (including battery)						
Carrying Case Size $(W \times H \times D)$		330 × 70 × 230				mm	

^{*} Sensitivity is calibrated at the specific calibration wavelength, so the display value may vary when used to measure light source emissions on a different spectrum. This is the recommended calibration period (every 1 year) when high reliability is required. Please contact to our sales office for re-calibration fee.

Figure 2: Dimensional Outline (Unit: mm)

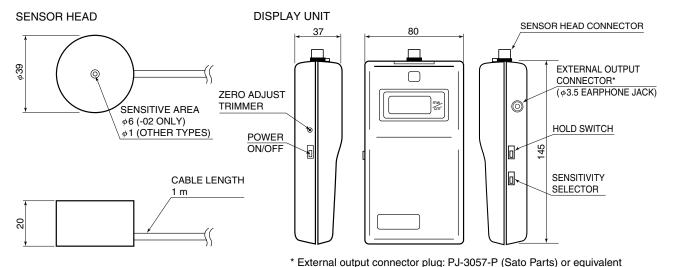
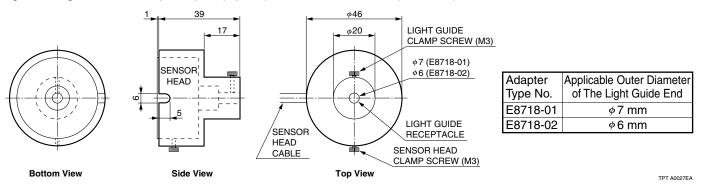


Figure 3: Light Guide Clamp Adapter (Option) Dimensional Outline (Unit: mm)



^{*} Adapters for furcated light guide are also available.

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WEB SITE http://www.hamamatsu.com

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HAMAMATSU PHOTONICS K.K., Electron Tube Center

314-5, Shimokanzo, Toyooka-village, Iwata-gun, Shizuoka-ken, 438-0193, Japan, Telephone: (81)539/62-5248, Fax: (81)539/62-2205

U.S.A.: Hamamatsu Corporation: 360 Foothill Road, P. O. Box 6910, Bridgewater. N.J. 08807-0910, U.S.A., Telephone: (1)908-231-0960, Fax: (1)908-231-1218 E-mail: usa@hamamatsu.com

Germany: Hamamatsu Photonics Deutschland GmbH: Arzbergerstr. 10, D-82211 Herrsching am Ammersee, Germany, Telephone: (49)8152-2565 E-mail: info@hamamatsu.de

France: Hamamatsu Photonics France S.A.R.L.: 8, Rue du Sauler Trapup, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (39) 169 53 71 to P. E-mail: info@hamamatsu.fr

United Kingdom: Hamamatsu Photonics UK Limited: 2 Howard Court, 10 Tewin Road Welwyn Garden City Hertfordshire AL7 1BW, United Kingdom, Telephone: 44-(0)1707-294888, Fax: 44(0)1707-325777 E-mail: info@hamamatsu.co.uk

North Europe: Hamamatsu Photonics Norden AB: Smidesvägen 12, SE-171-41 SOLNA, Sweden, Telephone: (46)8-509-031-00, Fax: (39)02-935 81 731 E-mail: info@hamamatsu.it

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^{*} This adapter is designed to measure UV intensity under constant conditions, at a point 10 mm away from the light guide output end.