



## UV Measurement and Process Control Instruments

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### Power Puck II/UviCure Plus II Product Selection

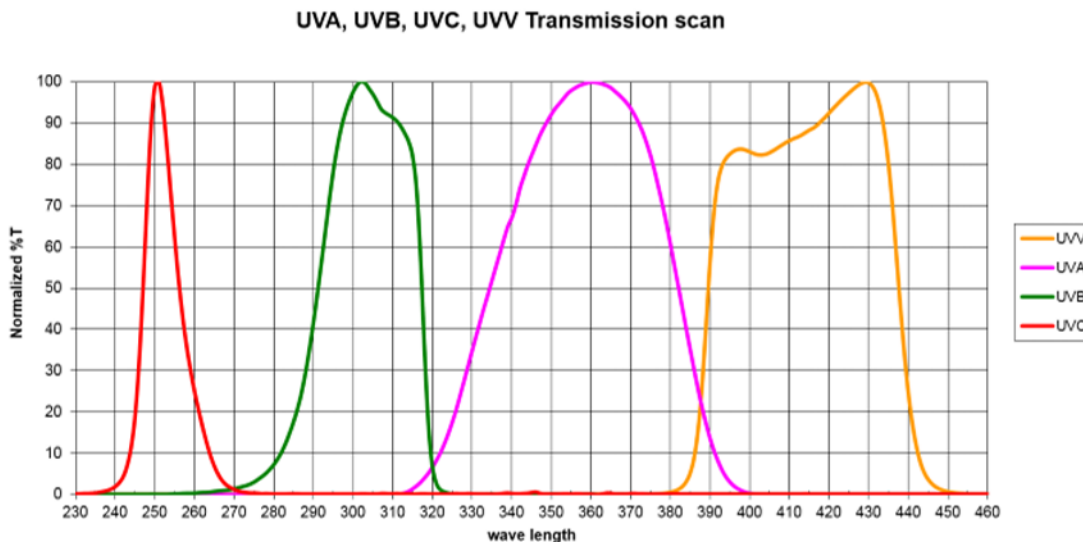
The UviCure Plus II is a single band radiometer (UVA, UVB, UVC **or** UVV) with the EIT 2.0 Band and Dynamic Range specified at the time of order.

The Power Puck II is a four-band radiometer (UVA, UVB, UVC **and** UVV) with the Dynamic Range specified at the time of order.

#### EIT 2.0 Band: Instrument Responsivity

For a mercury-based lamp decide UV band(s) needed. EIT 2.0 mercury-based bands have the following responses:

- UVA (320-390nm)
- UVB (280-320nm)
- UVC (250-260nm)
- UVV (395-445nm)



#### EIT 2.0 Dynamic (Operating) Ranges

The dynamic range of the UviCure Plus II/Power Puck II is selected at the time of order and is based on the output of the UV source and instrument distance to the UV source.

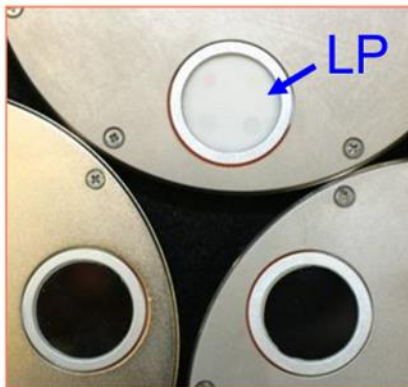
- The Standard (H) High (10 Watt) range works well for high power curing applications
- The (M) Mid-range (1 Watt) works well with low power arc lamps and in applications with lamps that are non- focused or away from the cure surface
- The low range (100 mW) works well in exposure systems and applications with low power lamps

Feature	Standard Range 10W	Mid Range 1W	Low Power 100 mW
Suggested Operating UVA, UVB, UVV	100 mW/cm <sup>2</sup> to 10 W/cm <sup>2</sup>	10 mW/cm <sup>2</sup> to 1 W/cm <sup>2</sup>	1 -100mW/cm <sup>2</sup>
Start Threshold	4-12 mW/cm <sup>2</sup>	400-1200 μW/cm <sup>2</sup>	40-120 μW/cm <sup>2</sup>
Suggested Operating UVC	10 mW/cm <sup>2</sup> -1W/cm <sup>2</sup>	1 -100mW/cm <sup>2</sup>	1 -100mW/cm <sup>2</sup>
Start Threshold UVC	400-1200 μW/cm <sup>2</sup>	40-120 μW/cm <sup>2</sup>	40-120 μW/cm <sup>2</sup>

## EIT Radiometer Products

### Telling Puck Units Apart

HP: 10W



Neutral Density Filter

PowerPuck2 SN#11184  
Ver: 2.02  
Calibration Date: 2009-11-12  
Range: 10W UVA/B/C/V

Mid: 1W

PowerPuck2 SN#14392  
Ver: 4.01  
Calibration: Feb,26 2010  
Range: 1W UVA/B/C/V

LP-100mW

PowerPuck2 SN#14392  
Ver: 4.01  
Calibration: 2010-01-11  
Range: 100mW UVA/B/C/V