EIT® UviCure® Plus II Profiler
EIT® UV Power Puck® II Profiler

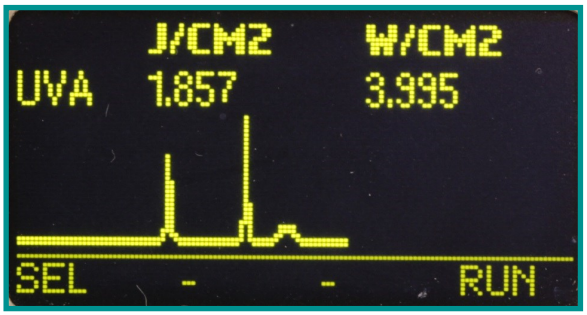
One Instrument: Two Options

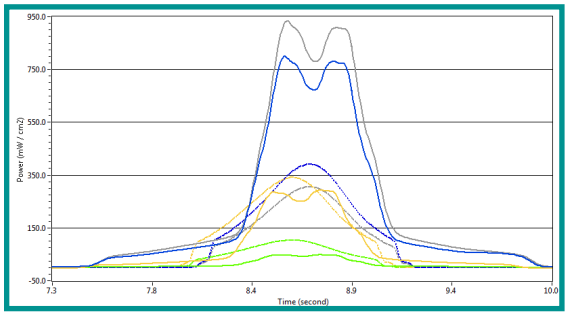
The UviCure Plus II Profiler and Power Puck II Profiler radiometers support:

- Easy-to-use single button operation for production or lab environments with all values on the display
- Profiling function for laboratory, R&D, field service and troubleshooting calls

One Instrument

Two Options





Display Option

- The ***Display Option*** presents the data (W/cm^2, J/cm^2 & low resolution irradiance profile) on the display
- Single button operation for ease of use on a production line

Profiler Option

- The ***Profiler Option*** transfers the data including the irradiance profile to a computer
- EIT's UV PowerView Software® III allows for further analysis, comparison and evaluation.

UviCure® Plus II Profiler & UV Power Puck® II Profiler

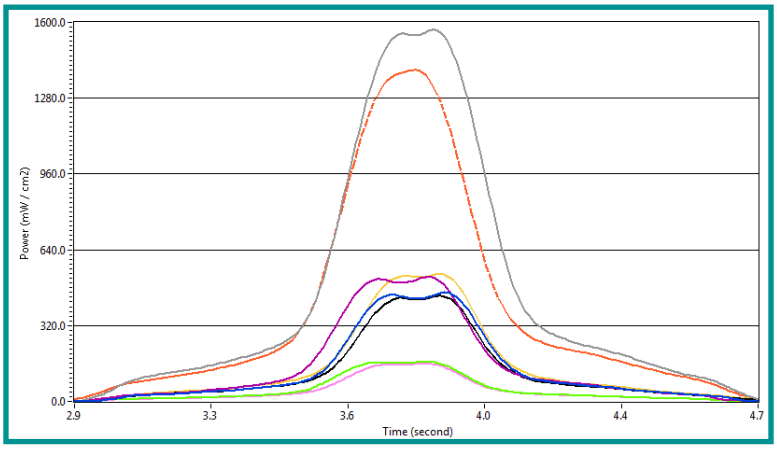
Profiler versions of the UviCure Plus II or UV Power Puck II operate in the same manner as Standard units, The Profiler function allows the transfer of the numerical (irradiance, energy density) values **and** the irradiance profile (Watts as a function of time) to a computer via a USB port for analysis with the EIT UV PowerView Software® III Program.

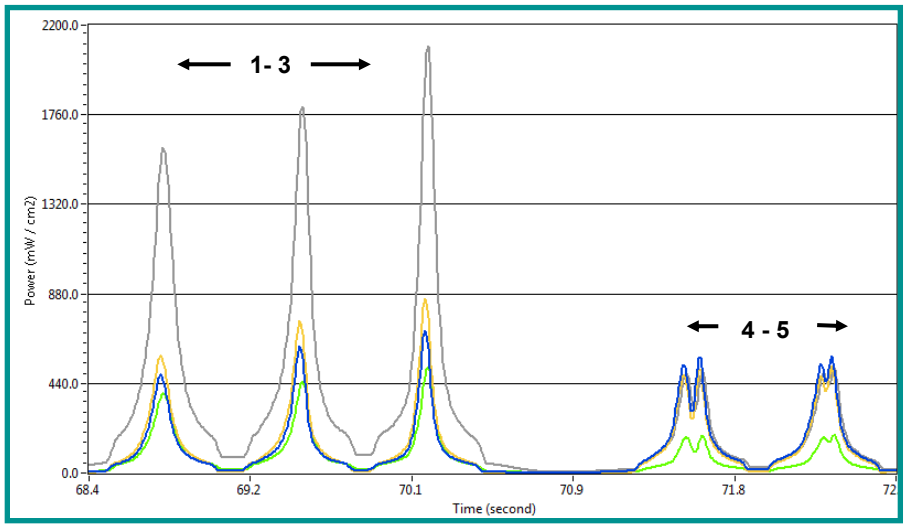
Puck Profiler Instrument Features:

- Profiler data collected at an effective sample rate of 128 Hz (samples/second)
- Display data collected at a user adjustable effective sample rate of 25, 128 or 2048 Hz (samples/second)
- Memory supports data collection of over 100 minutes

EIT Profiler units quickly and easily identify:

- The number of lamps and individual lamp performance
- Lamp focus conditions and changes to the focus
- The bulb type (Four band Power Puck II Profilers)
- Uniformity of UV across bulb length changes over time with the comparison to stored files
- Process speed and/or exposure time variations
- Maintenance needs before they impact product quality





Five Production Line UV Stations

Lamps 1-3
- **Different output values**
- **Focused lamps**
- **Mercury-Gallium bulbs**

Lamps 4-5
- **Similar output values**
- **Non-focused lamps based on the "twin peaks" for each bulb**
- **Mercury bulbs**

Data can be arranged by parameter (shown) or bandwidth

Summary By Table

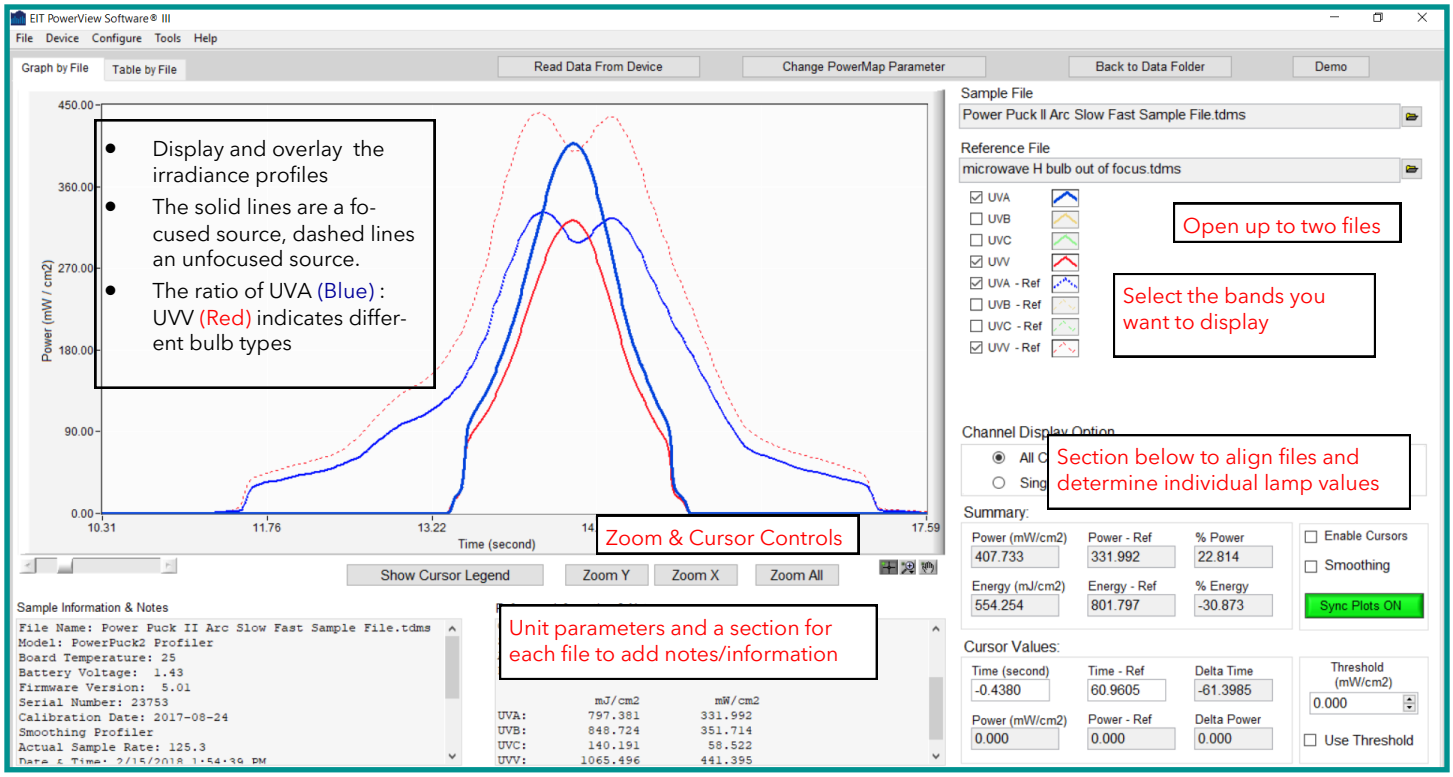
	Sample File	Reference File	Difference	%
UVA- Power (mW/cm2)	783.022	757.650	25.373	3.3
UVB- Power (mW/cm2)	746.388	717.678	28.710	4.0
UVC- Power (mW/cm2)	265.007	258.229	6.778	2.6
UVV- Power (mW/cm2)	1568.759	1397.594	171.166	12.2
UVA- Energy (mJ/cm2)	531.358	545.403	-14.045	-2.6
UVB- Energy (mJ/cm2)	546.772	578.197	-31.425	-5.4
UVC- Energy (mJ/cm2)	192.437	183.632	8.805	4.8
UVV- Energy (mJ/cm2)	1104.121	984.782	119.339	12.1
Enable cursors	ON			
Time	-0.02			
Time - Ref	11.13			

EIT UV PowerView Software® III

UV PowerView Software® III:

- Works with all EIT Profiling radiometers including the UviCure Plus II/Power Puck II Profilers, PowerMAP II, LEDCure Profiler and LEDMAP
- Allows you to track a single source or production line under different process conditions or over time
- Allows for evaluation and comparison of two different source types
- Provides a section to add information and notes to each file
- Easily transfers profiles and tables into reports & programs, export the .tdms file into Excel

PowerView Software III Graph by File Screen



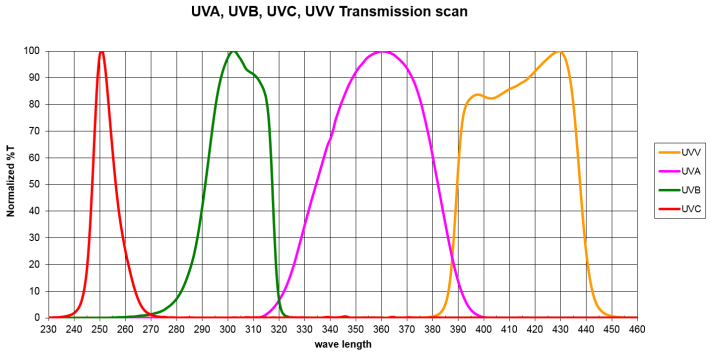
Dynamic (Operating) Ranges

There are three dynamic ranges available that are selected at the time of order.

- The standard range (10 Watt) works well for high power curing applications
- The 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

EIT Bands

- EIT Puck Instruments are available with UVA (320-390nm), UVB (280-320nm), UVC (250-260nm) and/or UVV (395-445nm)
- The UV Power Puck II is available only with all **four** EIT bands, the UVICURE Plus II is available in any **one** EIT band, selected at the time of order



Product Specifications (Specifications subject to change without notice)

Display	Easy to Read, Yellow Text on Black Background
Suggested Operating Ranges	Standard High Range: UVA, UVB, UVV- 100mW/cm² to 10W/cm² / UVC - 10mW/cm² to 1W/cm² Mid-Range: UVA, UVB, UVV-10mW/cm^2 to 1W/cm^2 / UVC-1mW/cm^2 to100mW /cm^2 Low Power: UVA, UVB, UVV- 1mW/cm² to 100mW/cm² / UVC -1mw/cm^2 to 100mW/cm^2 The suggested Operating Ranges are where the instrument performs best. Units will "turn on" and display data at irradiance values much lower than the suggested Operating Ranges.
Accuracy	+/- 10%; +/- 5% typical plus ±0.2% of full scale Typical +/- 5% or better
Calibration	Supplied with NIST traceable calibration certificate
Spectral Ranges (UV Power Puck® II)	**Four** channel monitoring of UVA (320-390 nm), UVB (280-320nm) , UVC (250-260nm) and UVV (395-445nm)
Spectral Ranges (UVICURE® Plus II)	**One** channel monitoring of UVA (320-390 nm), UVB (280-320nm) , UVC (250-260nm) or UVV (395-445nm) , selected at the time of purchase
Spatial Response	Approximately cosine, "Lambertian"
Operating Temperature	0-75°C Internal temperature; tolerates high external temperatures for short periods (audible alarm indicates when temperature has exceeded tolerance)
Smooth Modes	Smooth ON: Effective Sample rate of 25 samples/second Smooth PROFILER: Effective Sample rate of 128 samples/second Smooth OFF: Effective Sample rate of 2048 samples/second
Sample Rate for Profiling	Profiler instruments use a fixed sample rate of 128 samples/second for profiling. For best matching between instrument display and UV PowerView Software® III values, use Smooth PROFILE mode
Memory Capacity For Profiling	The memory capacity of the Power Puck® II and UVICURE® Plus II Profilers in Profiler Mode is sufficient to collect data for >100 minutes
UV PowerView Software® III	National Instruments LabVIEW based programming designed for Windows 7-10. Collected data is stored in LabVIEW based *.tdms files
Time-Out Period	2 minutes DISPLAY mode (no key activity)
Battery/Battery Life	Two user-replaceable AAA Alkaline Cells/Approximately 20 hours with display on
Dimensions	4.60 x 0.50 inches; 117 mm x 12.7 mm (D x H)
Weight	10.1 ounces (289 grams)
Instrument Materials	Aluminum, stainless steel
Carrying Case Material/Weight	Cut polyurethane interior, scuff resistant nylon exterior cover/9 ounces (260 grams)
Carrying Case Dimensions	10.75 x 3.5 x 7.75 inches; 274 x 89 x 197 mm (W x H x D)

Designed and manufactured in the USA

This equipment is in conformity with the following standards and therefore bears CE marking: IEC 61326-1:2005, EN55011: 1998, EN61000-4-2: 1995, A1: 1998, A2: 2001; EN 61000-4-3: 2002, A1: 2002, following the provisions of the applicable directives: 98/34/EEC and amendments, 89/336/EEC and amendments.

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For more information contact EIT or:

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