



# UVICURE<sup>®</sup> PLUS II UV POWER PUCK<sup>®</sup> II

**The radiometers that first set the standard for the UV industry are now setting a new standard with advanced features and an easy to read display, multiple user selectable modes, and PC communications for data logging and trending capabilities.**

The new EIT Instrument Markets UVICURE Plus II and UV Power Puck II are advanced versions of the UVICURE Plus and UV Power Puck widely used throughout the global UV industry. With user selectable sample rates, these new instruments can be used for fast conveyor lines or slower lines, and measurements are compatible with other EIT products.



## **Standard Features and Benefits Include:**

### **Easy to Use. Single Button for On/Off and Run**

**UV Data Displayed on One Screen for All 4 Bands.** Data is simultaneously collected for all 4 bands on the UV Power Puck II, then displayed on a single screen in  $\text{mW}/\text{cm}^2$  and  $\text{mJ}/\text{cm}^2$  for quick and easy viewing by the operator. No need to toggle through all eight readings, one screen at a time. Soft buttons are used for function selections, and are indicated on the bottom of the display for easy operator selection and use.

### **Standard EIT Multiple Bandwidths:**

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

### **Dynamic Range**

Standard unit – 10 Watt; UVA, UVB, UVV; 1 Watt UVC. Low Power unit –100 mW

### **Setup Function**

Provides user selectable instrument default modes for data analysis and comparison, screen, and operational settings.

### **Graph Mode**

A graph illustrating the collected UV irradiance and energy is displayed for each of the UV bands. Data is expressed in  $\text{mW}/\text{cm}^2$  vs. time.

### **User Selectable Sample Rate**

Smooth On Data: Compatible with previous Power Puck versions

Smooth Off Data: Compatible with UV PowerMAP at over

2000 samples per second.



## Reference Mode

Used for comparison between readings. Can be useful for system setup and troubleshooting. The user can store the selected UV reading in the radiometer as a base line or reference reading, then compare that reading to another. The radiometer will display both readings and indicate the percentage of change between readings. Data is displayed in  $\text{mJ}/\text{cm}^2$  and  $\text{mW}/\text{cm}^2$ , and percentage.



	J/CM2	W/CM2
UVA	5.663	3.355
REF	2.909	3.433
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DIFF%	+94.6	-2.3
SEL	-	SET RUN

## Unit of Measure

The unit of measure is user selectable to provide ease of reading for operators. Display the data as you want to see it. Selections are:  $\text{mJ}/\text{cm}^2$ ,  $\text{mW}/\text{cm}^2$ ,  $\text{J}/\text{cm}^2$ ,  $\text{W}/\text{cm}^2$ ,  $\mu\text{J}/\text{cm}^2$ ,  $\mu\text{W}/\text{cm}^2$

## Colorful, Easy to Read Display

Select low, medium, or high intensity for the graphical display.

## Communications Port

Serial communications protocol between unit and PC/PDA

Download collected data to a computer for statistical analysis and data logging.

## Specifications (Specifications subject to change without notice)

Display	Easy to Read, Yellow Text on Black Background
Range	10 Watt: UVA, UVB, UVV - $10\text{mW}/\text{cm}^2$ to $10\text{W}/\text{cm}^2$ ; UVC - $5\text{mW}/\text{cm}^2$ to $1\text{W}/\text{cm}^2$ Low Power Versions: UVA, UVB, UVC, UVV: $100\text{microW}/\text{cm}^2$ to $100\text{mW}/\text{cm}^2$
Accuracy	+/- 10%; +/- 5% typical
Spectral Response	Approximately cosine
Spectral Ranges (UV Power Puck® II)	4-channel continuous monitoring. 320-390nm (UVA), 280-320nm (UVB), 250-260nm (UVC), 395-445nm (UVV)
Spectral Ranges (UVICURE® Plus II)	1-channel continuous monitoring. 320-390nm (UVA), 280-320nm (UVB), 250-260nm (UVC), 395-445nm (UVV)
Spatial Response	Approximately cosine
Operating Temperature	0-75°C Internal temperature; tolerates high external temperatures for short periods (audible alarm indicates when temperature has exceeded tolerance)
Time-Out Period	2 minutes DISPLAY mode (no key activity). A no time-out mode can be activated by EIT-IM.
Battery	Two user-replaceable AAA Alkaline Cells
Battery Life	Approx. 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	Cut polyurethane interior, scuff resistant nylon exterior cover
Carrying Case Weight	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).

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.



Designed and manufactured in the USA.



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