UVICURE® Plus II
UV POWER PUCK® 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.

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 mW/cm^2 and mJ/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 mW/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.

Solutions are our business

EPOXY AND EQUIPMENT TECHNOLOGY PTE LTD
No 51 Bukit Batok Crescent #07-04 Unity Centre Singapore 658077
Tel: (65) 6 899 3839 Fax: (65) 6 899 3536 Email: info@eet.com.sg
Website: www.eet.com.sg
Malaysia | Thailand

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 mJ/cm^2 and mW/cm^2, and percentage.

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: mJ/cm^2, mW/cm^2, J/cm^2, W/cm^2, µJ/cm^2, µW/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 - 10mW/cm² to 10W/cm²; UVC - 5mW/cm² to 1W/cm² Low Power Versions: UVA, UVB, UVC, UVV: 100microW/cm² to 100mW/cm²
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.

CE

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