INSTRUMENT MARKETS

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Certificate of Calibration

Certificate Number: 77794
Customer: EIT/IM

Model Number: PP2-2000
Description: POWER PUCK II
Serial Number: 11148

The error of measurements made by this instrument, according to published specifications, is +/- 10% of the reading.

Calibration Measurements

Date: 09-May-11 By Technician: HT **Next Calibration Due: 08-Nov-11**

UV-A 320 - 390nm

Measurement	Reference	Instrument	Deviation
Irradiance	299.794 mW/cm²	298.663 mW/cm²	-0.38%
Energy Density	165.395 mJ/cm²	165.012 mJ/cm²	-0.23%
Irradiance	299.33 mW/cm²	299.881 mW/cm²	0.18%
Energy Density	222.296 mJ/cm²	221.849 mJ/cm²	-0.20%
Irradiance	299.562 mW/cm²	298.663 mW/cm²	-0.30%
Energy Density	307.58 mJ/cm²	304.245 mJ/cm²	-1.08%

Source: UVC-3992W
Bulb: MERCURY
Environmental Conditions: 23.5°C 39% RH

UV-B 280 - 320nm

Measurement	Reference	Instrument	Deviation
Irradiance	279.002 mW/cm²	279.002 mW/cm²	0.00%
Energy Density	153.207 mJ/cm²	152.031 mJ/cm²	-0.77%
Irradiance	279.002 mW/cm²	279.495 mW/cm²	0.18%
Energy Density	206.749 mJ/cm²	205.134 mJ/cm²	-0.78%
Irradiance	279.002 mW/cm²	278.509 mW/cm²	-0.18%
Energy Density	285.375 mJ/cm²	280.716 mJ/cm²	-1.63%

Source: UVC-3992W
Bulb: MERCURY
Environmental Conditions: 23.5°C 39% RH

UV-C 250 - 260nm

Measurement	Reference	Instrument	Deviation
Irradiance	52.241 mW/cm²	52.271 mW/cm²	0.06%
Energy Density	29.925 mJ/cm²	29.565 mJ/cm²	-1.20%
Irradiance	51.97 mW/cm²	52.404 mW/cm²	0.84%
Energy Density	40.165 mJ/cm²	39.813 mJ/cm²	-0.88%
Irradiance	51.754 mW/cm²	52.271 mW/cm²	1.00%
Energy Density	55.248 mJ/cm²	54.607 mJ/cm²	-1.16%

Source: UVC-3992W
Bulb: MERCURY
Environmental Conditions: 23.5°C 39% RH

UV-V 395 - 445nm

Measurement	Reference	Instrument	Deviation
Irradiance	225.301 mW/cm²	224.587 mW/cm²	-0.32%
Energy Density	124.779 mJ/cm²	124.212 mJ/cm²	-0.45%
Irradiance	225.301 mW/cm²	225.895 mW/cm²	0.26%
Energy Density	167.766 mJ/cm²	167.113 mJ/cm²	-0.39%
Irradiance	225.895 mW/cm²	224.26 mW/cm²	-0.72%
Energy Density	232.085 mJ/cm²	229.158 mJ/cm²	-1.26%

Source: UVC-3992W
Bulb: MERCURY
Environmental Conditions: 23.5°C 39% RH

Traceability Chain

Certificate of Calibration

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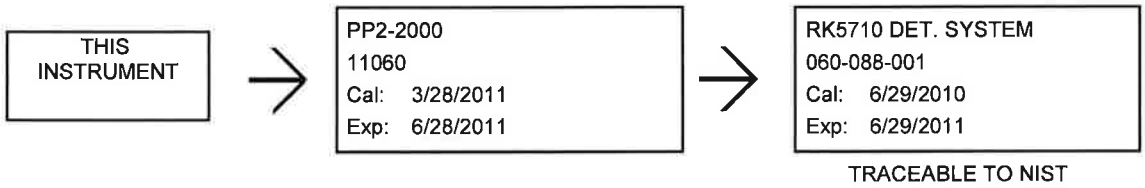

TRACEABLE TO NIST

Calibration Procedure Used: 751001I

EIT certifies that this instrument has been calibrated with instruments whose accuracies are traceable to the National Institute of Standards and Technology (NIST) in accordance with EIT ISO 9001 registered procedures, MIL-STD 45662A, and ANSI/NCSL Z540-1-1994. This certificate may not be reproduced, except in full, without the written permission of the laboratory. The Test Accuracy Ratio (TAR) of standards used in calibration is 4:1 or better.

EIT, Inc. recommends a six (6) month calibration cycle for this unit.

Technician: _____ Date: _____

Reviewed By: _____ Date: _____

Title: _____