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IL1400 Photoresist/ UV Curing Radiometer System



The IL1400A or IL1400BL (with back-lit display) portable radiometer for UV lamp monitoring is a hand held instrument that can be equipped with many application specific detector probes for performing specific types of UV measurement. Featuring a simple pushbutton operation with direct readout on an LCD display, this portable unit provides NIST traceable accuracy for testing the real-time intensity of UV lamps.

Capable of in-situ measurement from nW/cm^2 to 20 W/cm^2, depending upon the detector combination selected. The IL1400 radiometer is shown with the RAMP ‘dip stick” probe for use in confined areas, the 2 mm thick Superslim flat probe for applications where there is minimal access, and the wavelength-specific XRL probes for UV and visible spot curing systems. The IL1400 automatically reads the type and calibration information from each detector’s built-in memory, allowing use of different detectors to be easy and effective.

XRL340A Photoresist Cell, with IPIR Irradiance Calibration. Measurement range: 52 nW/cm² to 184 mW/cm² Spectral range: 320-475nm.	**XRL140B Photoresist Detector, IPIR Irradiance Calibration. Measurement range:250 nW/cm^2 to 87 mW/cm^2 Spectral range: 326-401nm.**
SEL005/WBS320/P8/RAMP18 (18”) UV Curing Detector, IPIR Irradiance Calibration. Measurement range: 0.4mW/cm² to 10 W/cm²(heat limited). Spectral range: 250-400nm.	**SSL001A Super Slim Probe, IPIR Irradiance Calibration. Measurement range: 17 µW/cm² to 0.9 W/cm²(heat limited). Spectral range: 260-400nm.**

Not all configurations shown. Call for more information

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