



Application note: Photostability Testing of New Drug Substances and Products including drugs, dietary supplements, veterinary medicines, herbal supplements, and drug packaging.

A systematic approach would include the following testing: the drug substance, the exposed product outside of the pack, the product in the pack, and the product in the marketing pack.

IL systems are designed to meet FDA and ICH requirements for photostability testing which includes the measurement of both UVA light in W/m<sup>2</sup> and visible light in lux and are also able to integrate to confirm the required dosage of 1.2 million lux\*hours and UVA energy of not less than 200 watt\*hours/square meter.



### IL1720 Radiometer

- 10 Decade Dynamic Range
- 0.1 Percent Linearity
- 40 Decade Integration Range
- Direct Reading in any Units
- Selectable Reverse Bias (0 or 5 V)
- 115/230 VAC, 8-15 VDC, Battery
- Built-In NiCad Battery Recharger
- Analog Recorder Output (0-1 volt)
- RS232C and TTL Digital Outputs

**Includes:** IL1700 Research Radiometer, Detector: SED033/UVA/W with PIR calibration and WIR addendum, 315-390nm, 2.8(10<sup>-6</sup>) to 2.8(10<sup>3</sup>) W/m<sup>2</sup> & Photopic Detector with YIS calibration, 400-700nm, 7.97(10<sup>-4</sup>) to 7.97(10<sup>5</sup>) lux, Carrying Case.

### IL1420A/ IL1420BL Radiometer

- 7 Decade Dynamic Range
- 0.2% Linearity
- 20 Decade Integration Range
- Direct Reading in any Units
- Hand Held - Portable
- Battery Operated
- Optional A516 power cord
- Analog Recorder Output (0-1 volt)

**Includes:** IL1400A or 1400 backlit LCD, Detector: SEL033/UVA/W with IPIR calibration and WIR addendum, 315-390nm, 0.1 mW/m<sup>2</sup> to 500 W/m<sup>2</sup> & Photopic Detector with YIS calibration, 400-700nm, 39mlux to 139 klux, Carrying Case.

