



UIT2400 Handheld Light Meter

For Care222® Far UV-C Excimer Lamps / 222nm Measurements



The UIT2400 is the most advanced handheld light meter for 222nm measurements on the market today. The UIT software automatically sets the averaging while rapidly measuring over 8 decades of light intensities. The internal software allows customers to capture a peak as brief as 100µs and to store up to 16 readings per second. The color display works in both landscape and portrait mode.

With its sophisticated detector, the UIT2400 is optimized for a wide range of accurate 222nm measurements. The UIT2400 optical measurement system includes a UIT2400, carrying case, software and a calibrated 222nm detector. The UIT2400 meter allows direct reading of irradiance in the appropriate units of mW/cm² or W/cm². Both the UIT2400 and software are compatible with Windows 10, Windows 7, and Windows 8 computers.



FEATURES & BENEFITS

- Research Quality at a Hand-held Price
- 8 Decade Dynamic Range of Optical Analysis
- Meter & Sensors with NIST Traceable ISO17025 Accredited Calibration
- Solar Blind Detector (not Sensitive to Visible Light)
- Hand-held, Compact, Ergonomic Design
- Brilliant 4.3" Touch Screen Display
- 90° Screen Rotation for Landscape and Portrait Viewing
- Auto-ranging with Smart Averaging
- Built-in Rechargeable Battery Lasts Up to 8 Hours
- Measurement Speeds Up to 100 µSeconds

SPECIFICATIONS

- **Measurement Range:** 50pA – 1mA Current, 8 Decades of Light Intensity Measurements (Typical 222nm Measurement Range: 20 nW/cm² – 0.4 mW/cm²)
- **Screen:** 4.3" VGA Capacitive Touch Screen Color Display
- **Bias:** 5V Reverse Bias
- **Ranging and Averaging:** Automatic
- **Internal Memory:** 8 GB
- **Operating Temperature:** 0-40°C
- **USB:** Micro for Data Download
- **USB:** Mini for Charging and Remote Data Logging
- **Size:** 1-3/5" H x 3" W x 6" L
- **Detector:** SED220, Peak Sensitivity at 220nm, NIST Traceable Calibrated at 222nm
- **Detector/Sensor Connector:** 15 Pin Connector, can be Used with Other Compatible Detectors
- **CE Certified:** No RF Noise