



## Unimeter UIT-2400 Far UV-C Meter

Handheld 222 nm ultraviolet radiation measurement device

Created as an analytical tool to monitor exposure from Ushio's Care222® filtered far UV-C disinfection module, the UIT-2400 is the most advanced handheld 222 nm light meter on the market today. Ushio's smart UIT software automatically sets the averaging, while rapidly measuring over 8 decades of light intensities. This allows customers to capture a peak as brief as 100 microseconds ( $\mu$ s) and to store up to 16 readings per second. The brilliant colour display functions in both landscape and portrait mode for ease-of-use in any situation.

Care222® filtered 222 nm far UV-C modules achieve microbial reduction in unoccupied and occupied spaces, but to ensure regulations governing UV exposure and output are met, regular UV light meter readings must be taken.

### Ensuring full far UV-C exposure safety

The Unimeter UIT-2400 is the most advanced handheld 222 nm light meter on the market today. Ushio's proprietary UIT software allows fast and accurate light intensity analysis to make sure your 222 nm UV disinfection solution is operating to its full potential. Not only can the UIT ensure safety, but also allows you to optimise the positioning and light distribution of your far UV-C light source.

With its sophisticated detector, the UIT-2400 is optimised for a wide range of accurate 222 nm measurements. The UIT-2400 optical measurement system includes a UIT-2400, carry-case, software, and a calibrated 222 nm detector. The UIT-2400 meter allows direct reading of irradiance in the appropriate units of mW/cm<sup>2</sup> or W/cm<sup>2</sup>. Both the UIT-2400 and software are compatible with Windows 10, Windows 7, and Windows 8 computers. Contact Ushio today for more information on Care222® disinfection technology and UV measurement tools.

### Unimeter UIT-2400: Features and Benefits

- ◆ 8 decade dynamic range for optical analysis
- ◆ Meter & sensors with NIST traceable ISO-17025 accredited calibration
- ◆ Solar-blind detector (not sensitive to visible light)
- ◆ Handheld, compact, ergonomic design
- ◆ 90° screen rotation for landscape and portrait viewing
- ◆ Brilliant 10.9 cm touchscreen display
- ◆ Auto-ranging with smart averaging
- ◆ Built-in rechargeable battery lasts up to 8 hours
- ◆ Measurement speeds up to 100 μs

### Developing Solutions Together

Ushio is a partner that listens to your ideas and requirements. Let us optimise your processes according to your specifications and expectations. Use our expertise to develop a tailor-made solution that matches your needs.



**USHIO EUROPE B.V.** - Headquarters  
The Netherlands | +31 20 446 9333  
sales@ushio.eu | www.ushio.eu

**USHIO GERMANY GmbH**  
Germany | +49 8094 906 0  
sales@ushio.eu | www.ushio.de

**USHIO U.K., LTD.**  
United Kingdom | +44 129 625 6067  
sales@ushio.eu | www.ushio.eu

**USHIO FRANCE S.A.R.L.**  
France | +33 134 64 94 94  
sales@ushio.eu | www.ushio.eu



UIT-2400 is designed to monitor the 222 nm UV emission intensity of Ushio's Care222® UV disinfection modules

### Key Specifications

- ◆ Measurements: 50 pA–1 mA current, 8 decades of intensity (typical 222 nm reading: 0.4– 20 mW/cm<sup>2</sup>)
- ◆ 4.3" VGA capacitive touchscreen
- ◆ Bias: 5 V Reverse Bias
- ◆ Ranging & Averaging: Automatic
- ◆ Internal Memory: 8 GB
- ◆ Operating Temperature: 0–40°C
- ◆ Data connections: USB Micro for data transfer; USB Mini for charging and remote data logging
- ◆ Size: 1-3/5" H x 3" W x 6" L
- ◆ Detector: SED220, peak sensitivity at 220 nm, NIST traceable calibrated at 222 nm
- ◆ Detector/Sensor connector: 15 pin connector, can be used with other compatible detectors
- ◆ CE certified: No RF noise

Please note: regulations governing the acceptable daily UV exposure limits may vary significantly depending on your region, please consult your local exposure guidelines before installing any UV emitting devices in occupied spaces.

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Version: 2022-F-UV-UIT2400-EN