



UVD200BLE

IoT UVC Ultraviolet Light Dosimeter



Description

The UVD200BLE Bluetooth-enabled dosimeter provides accurate measurement of UVC ultraviolet light dose and power. Accuracy is assured by factory calibration at 253.7nm using a NIST-traceable reference power meter.

An Android app provides access to several dose and power measurement modes plus configurable alarms. A QR-encoded MAC address allows UVC equipment to pair with dosimeters and assign retrieved data to known dosimeter physical locations.

The dosimeter may be placed upright, on its back or in an included wall-mounting holder for semi-permanent applications. Always-on operation provides continuous dose measurement for up to two years (depending on mode) from a single AAA alkaline cell.



Specifications

UVC Measurement Wavelength	253.7nm calibration point Contact UVCense for use at different UVC wavelengths
UVC Dose Measurement Range	Up to 65,535mJ/cm ² via BT; up to 1,990mJ/cm ² on LCD
UVC Dose Measurement Accuracy	±4% ±1mJ/cm ² (NIST-traceable calibration meter) Over 0°C to 50°C operating temperature range
UVC Power Dynamic Range	4μW/cm ² to 40mW/cm ² (10,000 : 1 dynamic range)
Sensor Field of View	110° (±55°) cone above UVC sensor
Cosine Correction	Excellent cosine correction within field of view
Dose Measurement Modes	Continuous accumulation and last 24 hours dose modes
Dose and Power Alarms	Dosimeter acoustic alarm and app-based notifications
Battery Life	6 months to 2 years depending on operating mode
Dosimeter Dimensions	81mm x 52mm x 23mm 3.19 in x 2.05 in x 0.91 in
Wall-mounting Holder Dimensions	92mm x 69mm x 30mm (3.62 in x 2.71 in x 1.19 in) Includes 3M Command™ strip for wall attachment
Warranty	One year limited warranty