UVD200A

Digital UVC Ultraviolet Light Dosimeter

Description

The UVD200A dosimeter provides convenient and accurate measurement of UVC ultraviolet light dose. Accuracy is assured by factory calibration at 253.7nm using a NIST-traceable reference power meter.

Unlike single-use color-changing dose cards and dots, the UVD200A provides a clear numeric readout of UVC dose in mJ/cm^2. The dosimeter always displays the last UVC dose by automatically restarting dose accumulation if no UVC has been detected for more than an hour.

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 approximately one year 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 199mJ/cm^2 on LCD display (dose reset by button)
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	4$\mu W/cm^2$ 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
Auto-reset Function	Dosimeter automatically restarts dose accumulation if no UVC has been detected for more than one hour
Battery Life	Approximately one year from a single AAA alkaline cell
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