

UVC Monitor Real Time UV Intensity Meter

Ultravation[®]
Better Air | Better Water | Better Living[™]

DESCRIPTION

Ultravation offers an advanced UV radiometer with data logging output to monitor any UV lamp system and to ensure efficient and timely lamp replacement. Using a remotely mounted UV sensor specifically focused on the 254 nm UVC range the meter provides a real time reading of UV output intensity that is indicated by a tri-color LED and alpha numeric display. A dry contact relay gives the ability (NO-C-NC) to easily interface to building management systems (BMS), remote alarm indication, audible buzzer alarm, as well as data logging.

FEATURES



- 4 digit, high intensity alpha numeric display which is readable in high light conditions
- Intuitive multi-function single “MODE” button
- Tri-color LED indicator
- Factory programmable UV thresholds (NRE applies)
- Ultra-narrow UVC sensor supplied
- Metal housing for sensor is immune to degradation
- Audible alarm buzzer (can be enabled/disabled via software menu)
- Real-time intensity feedback
- Days counter
- Abnormal operation indication
- LED indication
 - Green: 75% - 100% UV intensity
 - Yellow: 60% - 74% UV intensity
 - Red: 41% - 59% UV Intensity
 - Flashing Red: <40%
 - Buzzer: <40%
- Error Indications
 - “Connect Sensor”: A proper sensor is not attached to the radiometer
 - “Sensor Saturated”: the sensor detects UV intensity greater than 21,300 $\mu\text{W}/\text{cm}^2$
 - Open/Fault/Disconnected sensor indication

SPECIFICATIONS

- Power supply: 24VAC 0.35A 50-60Hz
- Dry contact output: 250VAC/1A
- Operating temperature: 0-50°C
- Maximum intensity range: 20,000 $\mu\text{W}/\text{cm}^2$
- Supplied with: power supply, interface wiring and UVC sensor

Data Logging Output:

Data logging output is a linearized analog voltage with the following end points:

- 0% = 0 V + 100 mV / - 0 mV
- 100% = 10 V \pm 500 mV

Due to a program of continuous improvement, the product specifications may change at any time.