

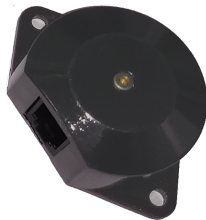
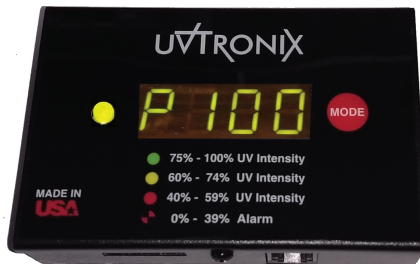


# UV RADIOMETER UVT-RAD-100DL

## DESCRIPTION

UVTronix 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 (available in any UV band 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 sensor (specify: UVA, UVB, UVC)

### 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.