

Ultraviolet Disinfection System Monitor

Ultraviolet water disinfection systems are only as good as the effectiveness of the germicidal lamps. With time, even the best UV water treatment system will show a significant degradation in its ability to disinfect water. Germicidal lamp output decreases as the lamp ages and /or becomes dirty through use.

Solar Light's **GLM10 Germicidal Lamp Monitor** is specifically designed to continuously monitor germicidal lamp output in water contact vessels. The GLM10 assures that the germicidal lamp output stays within the manufacturer's specifications for effective and safe water disinfection. The unit screws into the service port of an exposure chamber, where the built-in UV sensing probe monitors the lamp. The GLM10 is easily calibrated to 100% when a new lamp is installed and displays 0 – 100% intensity values. As the lamp ages and the output drops, the display accurately shows the intensity level as a percentage of initial lamp intensity. A preset threshold is used to determine when the threshold is reached, and then both the fault light and internal relay are activated for automatic valve control or remote alarm, ensuring a continuous supply of safe drinking water.



Applications

- Monitor Germicidal Lamp Output in Water Contact Vessels

Features and Benefits

- Continuous Monitoring
- Fault Indicator
- Easy One-Step Calibration
- Large LED Display
- Automatic Control of External AC Powered Devices



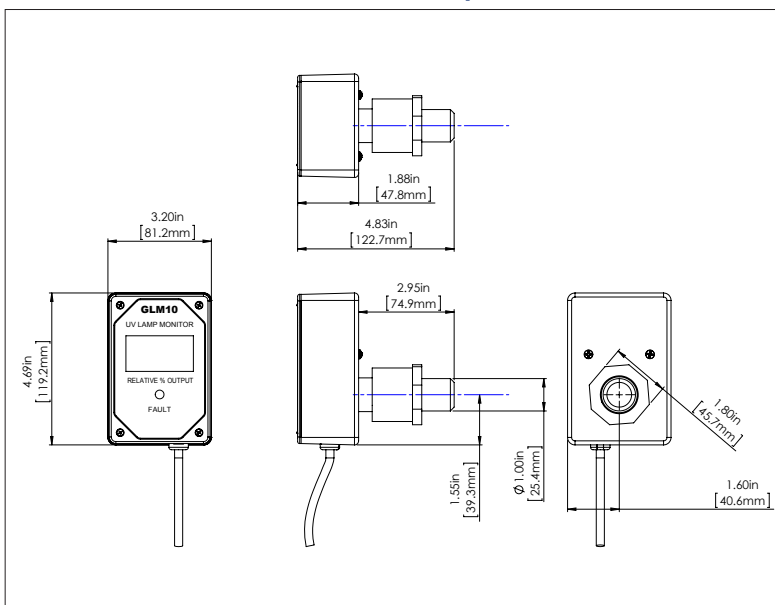
SPECIFICATIONS	
Spectral Response	240 to 275nm
Viewing Angle	360°
Range	0 - 100%
Threshold Setting	60%
Readout	LED 0.56" High
Display Resolution	1%
Relay Contacts	10A 125VAC Form C Factory Set, Normally Closed or Normally Open
Power Requirements	115VAC 60Hz
Monitor Port	1" FPT (Other Sizes Available)
Pressure	150 PSI / 1034 kPa
Dimensions and Weight	*See Outline Drawing Below

Part Number: 210094

Revision Level: B

Specifications subject to change without notice.

GLM10 Germicidal Lamp Monitor



Est. Weight: 1.5lbs (0.68kg)

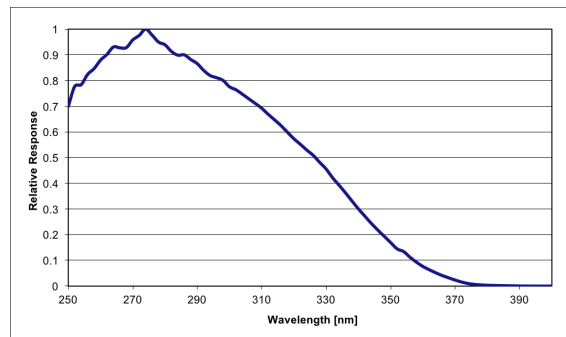


Fig. 1. Linear Spectral Response

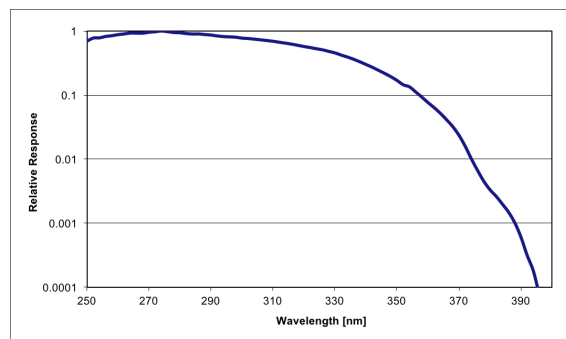


Fig. 2. Log Spectral Response

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Advanced NIST-Traceable Sensors for accurate measurement of UVA, UVB, UVA+B, UVC, Visible, IR, Photostability, Temperature, and Custom Wavelength – well over 130 models in both digital and analog configurations, all compatible with our Radiometers.



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Handheld Ozonometers and Sunphotometers for fast and dependable Column Ozone, Aerosol, and Water Vapor Thickness measurements, in addition to long-term global ultraviolet radiation studies.