

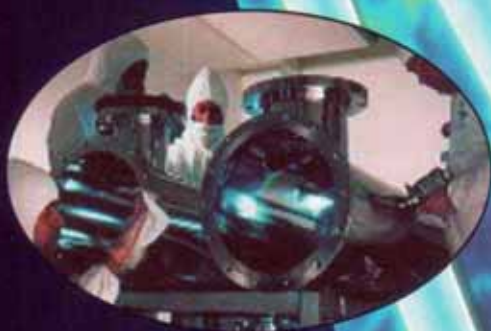
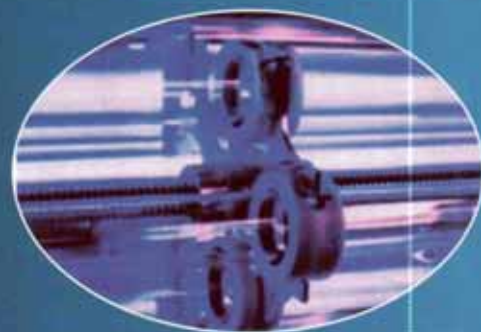
# REDUCE GERMICIDAL LAMP MAINTENANCE COSTS...

## SOLAR LIGHT'S GLM100 UV LAMP MONITORING SYSTEM

Finally, there is a way to accurately determine the effectiveness of

germicidal lamps in water and wastewater treatment plants. With the GLM100, lamps do not need to be removed at service intervals that may be considerably shorter than necessary.

The GLM100 continuously monitors the relative lamp output, and provides a cost-effective and trouble free method of determining exactly when lamps need to be removed for cleaning or replacement.



### FEATURES

- PEAK RESPONSE TO 254 NM UV RADIATION
- WATERPROOF PROBE UP TO 6 METERS
- SIMPLE 0 TO 100% OUTPUT DISPLAY
- EASY ONE-STEP CALIBRATION
- COLORED INDICATOR LIGHTS
- LARGE 0.56" LED DISPLAY
- WARNING AND ERROR THRESHOLD ALARMS
- AC OR DC POWER INPUT
- POWER RELAYS FOR EXTERNAL WARNING DEVICES

**SOLAR**  
LIGHT CO., INC.



The GLM100 Lamp Monitoring System consists of the LM100 UV Lamp Monitor and Solar Light's UW254 Submersible Detector

## SUBMERSIBLE DETECTOR

The UW254 Submersible Detector offers excellent long term stability, with reliable and repeatable UV detection. The probe can safely be submersed to depths of up to 6 meters, and is unaffected by sunlight outdoors or visible light indoors.

## MONITOR DISPLAY

A large, easy to read 3-Digit display indicates the relative % output of the detector. Two user configurable warning thresholds are also displayed, each set to any value between 0-100%.

## UNIT CONTROLS

The easy-to-operate UP, DOWN, and MENU buttons are conveniently located below the display and are used to set the warning and error threshold values.

## WARNING INDICATORS

- **System OK** - Indicates that the LM100 has power and is operational
- **Low Warning** - on when output falls below the warning threshold
- **Low Error** - on when output falls below the error threshold
- **No Detector** - Indicates that no detector is connected (input < 4 MA)

### ORDERING INFO:

The GLM100 includes the LM100 UV Lamp Monitor and the UW254 Submersible Detector. These are also sold separately.

**SOLAR**  
LIGHT CO., INC.

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## EXTERNAL CONTROLS

Each of the two programmable warning thresholds also set relays in the LM100 for external control. In addition to the display and alarms, the monitor has a 4 to 20mA output which represents 0 to 100% on the display. This output can be used for remote monitoring or sent to a data collection system.

## TECHNICAL SPECIFICATIONS

Detector Spectral Response	240-280nm (cosine corrected)
Detector Full Scale	2000 $\mu\text{W}/\text{cm}^2$
Monitor Display Resolution	1%
Monitor Accuracy	$\pm 0.1\%$
Monitor Range	0 - 150%
Max Detector Current Input	40 mA
Max Current Output (4-20mA)	40 mA
Monitor Relay Contacts	10A 125 VAC Form C (6A 250VAC)
Power Requirements	
VAC	110 / 220 volts (0.1A)
VDC	12 - 24 volts (0.4A)
Case Material	
Monitor	Clear anodized aluminum
Detector	Stainless Steel
Dimensions	
Monitor	
Length	Standard 1/8 Din 7.0 in (17.8cm)
Width	3.9 in (9.9cm)
Height	1.9 in (47.3 cm)
Detector	
Length	3.4 in
Diameter	1.1 in
Cable Length	50 ft.
Weight	
Monitor	1 lb. 6 oz.
Detector	5 oz.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.