

# Sensors • Submersible Germicidal Sensor

UW254-360

Monitors Up to Four Mercury Lamps with a  
Radiation Peak at 253.7nm



## Applications

- Environmental Monitoring
- Disinfection of Plant Effluent

## Features and Benefits

- High Sensitivity
- Submersible
- Can Monitor up to 4 Mercury Lamps
- Peak Activity at 253.7nm
- Full 360 Window

A new UV lamp monitor can reduce maintenance costs by determining exactly when germicidal lamps in wastewater treatment plants need to be serviced.

Since most plants have no way to determine when buildup on lamps has reduced their effectiveness, they are typically removed and cleaned at routine intervals that are considerably shorter than necessary. The new UW254-360 underwater germicidal detectors continuously monitor s relative lamp output from 0% to 100%. It provides a cost-effective and trouble-free method of determining exactly when lamps need to be removed for cleaning. Because of the quartz probe, it can monitor over a 360° area, capable of monitoring up to 4 lamps.

The probe is “calibrated” after initial installation of the lamp bank and readjusted after cleaning. It can be strapped to a quartz light tube underwater. The UW254 underwater germicidal detector has a narrow spectral response from 210-380nm. It will not respond to sunlight or any other visible radiation.

Specifications	
Output	4 - 20mA
Spectral Range	210 to 380nm
Readout Range	0-100% of Original Intensity
Viewing Angle	360 Degrees
Operating Environment	32 to 120 °F (0 to +50 °C) No Precipitation
Power Source	9 - 24VDC
Size	Length 3.8" (96.5mm) Diameter 0.83" (21mm)
Weight	2lbs. (0.9Kg)
Ordering Information	
UW254-360	Submersible Germicidal Detector

SL/Sensors\_UW254-360 11/2014

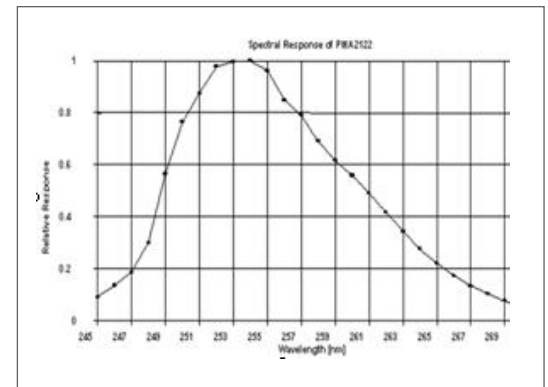


Fig. 1. UW254-360 Spectral Response