

# UW254 UNDERWATER GERMICIDAL DETECTOR

GERMICIDAL UVC  
SENSORS  
INDUSTRIAL PROCESS  
SENSING AND OEM  
PRODUCTS

Delivery on all products is  
Stock to 2 weeks.

Every product is calibrated  
to NIST traceable standards  
before shipment.



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 underwater germicidal detector and LM100 lamp monitor continuously monitor relative lamp output from 0% to 100%. They provide a cost-effective and trouble-free method of determining exactly when lamps need to be removed for cleaning.

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 LM100 lamp monitor is adjusted to indicate 100% for clean lamps. Then appropriate operator alert levels are set for the specified decrease in intensity. The UW254 underwater germicidal detector has a narrow spectral response from 210-380 nm. It will not respond to sunlight — or any other visible radiation — and offers negligible response to the sun’s UV radiation — nil in service underwater.

## Uses

The UW-254 is an UV detector designed to monitor up to four mercury lamps with a radiation peak at 253.7 nm that are commonly used in banks for the final disinfection of plant effluent.

## Alternate Views



## TECHNICAL DETAILS

## LITERATURE & DOWNLOADS

## WARRANTY

### Features

Submersible

Can monitor up to 4 mercury  
lamps

Peak activity at 253/7nm

### Specifications

#### Output:

4-20mA

#### Dimensions:

0.83" diameter X 3.8" long

Cable: 30'

#### Input:

9-25VDC.