

PMA 2122 GERMICIDAL UVC DETECTORS

SENSORS
INDUSTRIAL LIGHT
MEASUREMENT
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.



The PMA 2122 Germicidal UVC detectors provide fast and accurate irradiance measurements of the effective germicidal radiation. Ultraviolet radiation at 253.7nm has been used in germicidal applications for several decades. The PMA 2122 is designed to be used with the PMA2100 or PMA2200 UV meters / Radiometers.

Microorganisms (bacteria) ,usually in air or water, can be killed using UV or a combination of UV and ozone. The UV producing lamps in the purification systems must be monitored to insure that the bacteria are receiving a lethal dose of germicidal UVC radiation. The expensive UV lamps can be monitored to get maximum life out of the lamp before replacement. The germicidal UVC detectors can also be used to insure that the proper lamp has been installed after replacement.

Uses

Germicidal UV detector providing fast and accurate irradiance measurements of effective germicidal radiation.

Alternate Views



Applications

Water Treatment Plants

Purification Systems

Environmental testing

Features

Excellent long term stability
Cosine corrected

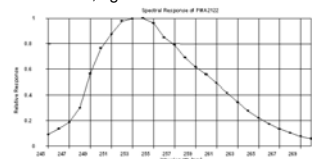
High sensitivity
Dynamic range 2*105
Selectable units

NIST traceable calibration
Ease of use

Specifications

Spectral response

249-261nm, figure 1



Angular response

5% for angles <60°

Range

0.01 $\mu\text{W}/\text{cm}^2$ to 2000 $\mu\text{W}/\text{cm}^2$
0.1 mW/m^2 to 20,000 mW/m^2
0.001 mW/cm^2 to 20 mW/cm^2
(PMA2122G)

Display Resolution

0.01 $\mu\text{W}/\text{cm}^2$
0.1 mW/m^2
0.001 mW/cm^2 (PMA2122G)
Operating environment

32 to 120 °F (0 to +50 °C) no precipitation

Cable

5ft (1.5m)

Diameter

1.6" (40.6 mm)
[PMA1122-OEM; 1.58" (40.1mm)]

Height

1.8" (45.8 mm)
[PMA1122-OEM; 1.23" (31.2mm)]

Weight

7.1 oz. (200 grams)

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