

PMA2112 HIGH INTENSITY UVA PROBE

SENSORS
INDUSTRIAL LIGHT
MEASUREMENT
LABORATORY LIGHT
MEASUREMENT

Delivery on all products is
Stock to 2 weeks.

Every product is
calibrated to NIST
traceable standards
before shipment.



The PMA2112 high intensity UVA probe detects light through a window on the side of the probe near the tip and is a useful tool in UV curing applications. The radiation is captured by a diffuser mounted at the end of an 18" long probe and delivered to the sensor through a quartz light guide encapsulated in a metal envelope. This construction places the UVA sensor far from the point of measurement, making the probe suitable for high temperature applications, up to 400°C. When used with the PMA2100 or PMA2200 UV meters, the irradiance is displayed in W/cm² or mW/cm². The UVA detector's high dynamic range allows measurement of signals as strong as 20W/cm² and as weak as 0.1mW/cm². Automatic tracking of the minimum, maximum and average built into the PMA2100. The integral (dose) of the incident radiation can be automatically measured by the PMA2100.

Uses

UV curing, printing and photolithography Monitoring of UV sources stability and lifetime Measurements in hazardous environment

Alternate Views



Applications

UV curing, printing and photolithography

Monitoring of UV sources stability and lifetime

Measurements in hazardous environment

Features

High sensitivity
High dynamic range
High temperature operation
Durable construction

Excellent long term stability
NIST traceable calibration
Radiometric units

Probe electrically isolated from the meter
Easy to install
0.375" (9.5mm) probe diameter

Specifications

Spectral response:

320-400nm, figure 1

Angular response:

cosine corrected
Range:

20 [W/cm²] or 20,000 [mW/cm²]

Display resolution:

0.001 [W/cm²], 0.1[mW/m²]

Operating environment (Tip):

-56 to 750 °F (-50 to +400 °C)

Operating environment (Sensor):

32 to 120 °F (0 to +50 °C) Temperature coefficient: <0.05%/°C

Cable:

5ft (1.5m)

Diameter:

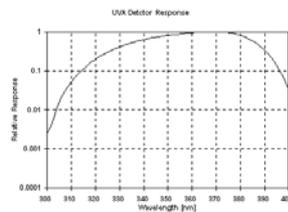
1.6" (40.6 mm) [Sensor]; 0.375" (9.5mm) [Probe]

Height:

1.8" (45.8 mm) [Sensor]; 18" (457.2mm) [Probe]

Weight:

10 oz. (280 grams)



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