PMA 2106 NON-WEIGHTED UVB SENSOR

SENSORS
INDUSTRIAL LIGHT MEASUREMENT
INDUSTRIAL PROCESS SENSING AND OEM PRODUCTS
LABORATORY LIGHT MEASUREMENT

Delivery on all products is Stock to 2 weeks.

Every product is calibrated to NIST traceable standards before shipment.

The PMA 2106 non-weighted UVB sensor gives an accurate measurement of UVB ultraviolet radiation from sunlight or artificial light sources.
The detector has angular response very close to an ideal cosine function (Lambertian response) making it suitable for measurements of diffuse radiation or radiation generated by extended sources.

The PMA2106 is designed to be used with the PMA2100 or PMA2200 UV meters / Radiometers.

Uses

When used with the PMA2100 or PMA2200 UV meters, the measured irradiance can be displayed in mW/cm2 as well as a W/m2. High dynamic range allows measurements of very weak signals down to 0.001 mW/cm2. To measure very strong irradiances up to 200mW/cm2, choose the PMA2106B

Alternate Views

Applications

Laboratory and industrial radiometry
Phototherapy
Environmental monitoring
Material testing
UV-B transmission measurements
Agriculture

Features

High sensitivity
Dynamic range

2*105

Excellent long term stability
Cosine corrected
NIST traceable calibration

Specifications

Angular response

5% for angles <60°

Range

20 [mw/cm2], 200 [W/m2]

Display resolution

0.001 [mw/cm2], 0.01[W/m2]

PMA2106B

Range 200 [mW/cm2], 2000 [W/m2]
Display resolution 0.001 [mW/cm2], 0.01 [W/m2]

Operating environment

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

Temperature coefficient 1% /°C for solar radiation
Cable

5ft (1.5m)

Diameter 1.6" (40.6 mm)

Height

1.8" (45.8 mm)

Weight

7.1 oz. (200 grams)

Spectral Response