

UV-A Meter

Measures UV-A Light Irradiance

The UV-A Meter is a compact, rugged, easy to operate, digital radiometer for monitoring UV-A black light sources used in fluorescent penetrant testing and magnetic particle inspections for non-destructive testing.

Readings in microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$) are displayed on a four-digit back-lit LCD display. The detachable sensor is specially constructed to measure UV-A irradiance in the range of 320-400 nm with a 0.5 in / 13 mm aperture. The unit's rugged, cost effective design features many of the operating advantages of more expensive UV light meters, but without the added cost or complexities of data storage and plotting features for those who do not require them.

Calibrated to +/-5% accuracy, the UV-A Meter meets NADCAP requirements and meets the requirements for all fluorescent NDT penetrant testing and magnetic particle inspections

- Minimum: 1,000 $\mu\text{W}/\text{cm}^2$ (ASTM) or 1,200 $\mu\text{W}/\text{cm}^2$ (NADCAP)
- Maximum: 5,000 $\mu\text{W}/\text{cm}^2$ (ISO) or 10,000 $\mu\text{W}/\text{cm}^2$ (ASTM)

FEATURES

- 320-400 nm range for ASTM E2297
- +/-5% accuracy for NADCAP requirements
- Low battery warning
- Range selection options: x1, x10, x100 and x1,000
- Data holding capabilities
- UV-365 sensor (320–400 nm)
- Back-lit 4-digit LCD display



SPECIFICATIONS COMPLIANCE

- ASTM E3022
- ASTM E2297
- ISO 3059

For use with systems conforming to:

- ASTM A275
- ASTM E165
- ASTM E709
- ASTM E1208 / E1209 / E1210 / E1219
- ASTM E1417
- ASTM E1444
- ASTM E3024
- ASME BPVC Section V
- ISO 3452
- ISO 9934
- ANSI / API 6A
- NADCAP AC7114/1
- NADCAP AC7114/2

PRODUCT PROPERTIES

Spectral Range	320 to 400 nm
Operation Range	0 to 200,000 $\mu\text{W}/\text{cm}^2$
Accuracy	+/-5%
Sampling Time	1 Second
Sensor Cord Length	45 in / 114 cm
Power Supply	DC 9V Battery
Dimensions	7 x 3.4 x 1.4 in / 18 x 8.6 x 3.5 cm
Weight	0.4 lb / 0.2 kg
Aperture Size	0.5 in / 1.3 cm

PART NUMBER

625024