

Digital UV Light Intensity Tester

UV-2500 III

Daily check of Black Lights is required absolutely.
 Digital UV Intensity Tester Traceable to National Standard (NIST).

Features

- ❑ The Digital UV Intensity Tester can measure UV irradiance up to 15,000 $\mu\text{W}/\text{cm}^2$ in digital numbers.
 (The Digital UV Intensity Tester can display measurement values up to 30,000 $\mu\text{W}/\text{cm}^2$)
- ❑ Since the size of UV light sensor is minimized, UV light distribution can be measured accurately.
- ❑ Ultraviolet irradiance is displayed as an absolute value (display: $\times 10 \mu\text{W}/\text{cm}^2$)
- ❑ The measurement reading is accurate as the UV light sensor accepts the light with the wavelength of $360 \pm 20\text{nm}$ without being affected by other light such as visible light.
- ❑ The Digital UV Intensity Tester satisfies the response characteristics of the JIS Z 2323 requirements.



OPERATING INSTRUCTION

- 1 Connect the light receiver to the body.
 - 2 Continue to push [POWER] switch for a while to turn on.
 - 3 Keep the light receiver away from UV light, and continue to push [HOLD] switch for a while to adjust the zero point.
 - 4 Pushing [HOLD] switch during the measuring process.
Peak measurement is held and the indication is flickering. Press [HOLD] switch again to release.
- * Please change the battery if [LOW BATTERY] LED lamp being on.
- * It is recommended that the tester might be calibrated once half a year to maintain the stable accuracy.

OPERATING CAUTION

- 1 Do not use this tester under high humidity and high temperature area
- 2 Measuring high UV intensity which exceeds the measurable range may cause breakdown of the tester.
- 3 Do not disassemble the tester.
- 4 In order to maintain measuring accuracy, periodical calibration is required.
- 5 Use a calibrated combination for the main unit and light receiver.

SPECIFICATION

- | | |
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| <input type="checkbox"/> Wavelength range to be measured | : UV-A which is mainly 360 ±20nm |
| <input type="checkbox"/> UV irradiance measurement range | : 0 - 15,000µW/cm ² * |
| <input type="checkbox"/> Indication | : Digital type (with back light) |
| <input type="checkbox"/> Tolerance | : ± (2.5% ±30µW/cm ²) |
| <input type="checkbox"/> Power source | : Alkali 9V battery |
| <input type="checkbox"/> Battery life | : Approx. 6 months (5 minutes use/day) |
| <input type="checkbox"/> Dimensions of body | : 84 x 157 x 30mm |
| <input type="checkbox"/> Dimensions of case | : 121 x 167 x 35mm |
| <input type="checkbox"/> Dimensions of light receiver | : 20 x 50 x 13mm |
| <input type="checkbox"/> Length of cable | : Approx. 1,500mm |
| <input type="checkbox"/> Dimension of UV light sensor | : Approx. 10mm |
| <input type="checkbox"/> Weight | : Approx. 280g (Body & Light receiver), 400g (with case) |

* The Digital UV Intensity Tester can display measurement values up to 30,000 µW/cm².

* The specifications are subject to change for improvement without notice.

Integrated supplier of Non-Destructive Testing and Marking



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