

MAGNAFLUX® UV-A LIGHT METER SPECIFICATIONS:

The Magnaflux® UV-A Digital Light Meter comes loaded with all of the standard features necessary to accurately monitor and calibrate UV Black Light sources used in fluorescent magnetic particle and liquid penetrant NDT applications. 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.

UV-A BLACK LIGHT METER SPECIFICATIONS

Lighting Types	UV-365 Sensor (320 - 400nm)
Display	4-Digit LCD
Accuracy	±10%
Sampling Time	1 Second
Sensor Cord length	45" (114 cm)
Power Supply	DC 9V Battery
Dimensions (Unit)	7.08" x 3.14" x .41" (18 x 8 x 3.6 cm)
Weight (Unit)	7.05 oz. (0.2kg)
Data Hold	Yes
Range Selection	Yes (x1, x10, x100 and x1000)
Low Battery Warning	Yes
Warranty	Manufacturer 1 Year Limited



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OPERATING MANUAL

MAGNAFLUX® UV-A LIGHT METER



P/N 00-000



MAGNAFLUX® UV-A LIGHT METER

INTRODUCTION:

The Magnaflux® UV-A Digital Light Meter is a compact, rugged, easy to operate, multi-function UV Meter proven to be highly effective for measuring and calibrating UV-A light sources used in fluorescent magnetic particle and liquid penetrant NDT inspections.

The Magnaflux® UV-A Digital Light Meter comes with a detachable remote sensor, high-contrast digital LCD display, 9V battery and protective storage case.

FEATURES

1. Easy to read, high-contrast digital display
2. Power on/off button
3. Hold button for maintaining current reading
4. UV-365 nm wavelength selection button
5. Channel 2 (future use)
6. Unit range selection buttons (x1, x10, x100 and x1000)
7. Remote sensor jack
8. High-impact, protective shell



OPERATING INSTRUCTIONS

1. Plug the UV-365 **Remote Sensor** into the **Remote Sensor Jack** on the front of the unit.
2. Power the unit on by depressing the **Power Button**. If LCD display does not immediately respond, check battery and replace if necessary. *Note: If during operation a low battery warning appears (LOBAT or ← symbol), power unit off and replace battery.*
3. Select and depress the **UV-365 Button** and corresponding **Range Button** (x1, x10, x100, or x1000).
4. Remove probe cover and place probe in test position. The display window will provide a readout of the irradiance value (unit: $\mu\text{W}/\text{cm}^2$).
5. To maintain measurement data in readout display, depress the **Hold Button**. To continue taking test readings, depress and release the **Hold Button**.
6. Once readings have been completed, power unit off by pressing and releasing the **Power Button**.

STORAGE

When not in use, the Magnaflux® UV-A Digital Light Meter should be stored in its protective case to insulate the instrument from strong vibrations or impact damage that could effect its operation. For long term storage, an environment of 32° - 104°F (0° - 40°C) with <85% Relative Humidity is recommended.