

- Dual Purpose Sensor
- Auto ranging
- Auto back light
- Low battery indicator

DESIGNED ESPECIALLY FOR NDT INSPECTION

RADIOMETER/PHOTOMETER MODEL MKVI

The most recent radiometer-reflects the benefit of extensive experience, while incorporating the latest electronic design features.



Supplied with carrying case



Easy to use



Dual Purpose Sensor

DESIGNED ESPECIALLY FOR NDT INSPECTION

RADIOMETER/PHOTOMETER MODEL MKVI

The meter is constructed to comply with British Standards BS4489 for UV (A) operation and BS667 for visible/white light operation, and has taken future European standards into account. It also complies with EMI regulations and the microprocessor-based electronics make the instrument extremely easy to use.

Simple, one touch mode selection, battery low indicator, auto ranging and automatic back light facilities provide clear benefits.

APPLICATIONS

While the MKVI can be used in general purpose laboratories, its principle application is non destructive testing in such diverse industries as aerospace, offshore, defence and automotive. The meter has two principal methods of operation in such NDT applications.

UV(A) Lamp Calibrations

This test is carried out to ensure that the lamps used in fluorescent crack detection have not deteriorated. As recommended by BS4489, the detector head should be moved in a plane normal to the axis of the beam at a distance of 400mm from the lamp, until a maximum reading is obtained.

The life cycle of a lamp and its adherence to standards can thus be monitored. Additionally, the visible light output of UV(A) lamps and the UV output of visible lamps can be monitored.

Fluorescent Penetrant Checking

To maintain consistent results in NDT the MKVI can be used to check the light output of fluorescent penetrants. This is done by preparing samples, under standard conditions of dilution, on 25mm dia discs of filter paper. These are then dried and placed on the visible light detector head under a suitable UV(A) light source. Comparisons will then reveal the efficiencies of different types of penetrant and any non-compliance with standards.

Specification and Operating Data

Dimensions	157x84x30 mm	Visible/White Light Operation	Electronics:	
Weight (inc battery)	220 grms		Power PP3 Battery	
Detector lead	1 m	Ranges:	Standard Operation 7mA	
Case Material	ABS	0-19.99 Lux	Black Light Operation 56 mA	
UV(A) Operation		20-199.99 Lux	Typical Battery Life 20-40 hours	
		200-1999 Lux	Typical Operational Life 3-6 mths	
			Display	3.5 Digit LCD
Wavelength	365 nm	Accuracy:	Low Battery	
Ranges	0-19.99mW/cm ²		Auto Ranging	
Accuracy	10%	10%	Auto Back Light	



El. Venizelou 7 & Delfon, Metamorfosi
14452 Athens, Greece
tel: +30 210 2846 801-4, fax: +30 210 2846 805
sales@envirocoustics.gr, www.envirocoustics.gr