

RM100 RADIATION MONITOR

FEATURES

- Uncomplicated operator controls
- Single handed operation
- Large easy to read meter scale
- Switchable meter backlight
- Peak dose hold mode
- Dosimeter mode
- Over range alarm feature
- Battery test feature
- Long battery life
- Rugged IP65 construction
- Uses universally obtainable AA batteries
- UK Health Protection Agency Tested

SPECIFICATION

Range: 0 to 100 $\mu\text{Sv/hr}$

Detector: End window halogen-quenched GM tube

Type tested for the following: -

Low voltage Directive 2006/95/EC, EMC Directive 2004/108/EC, WEEE Directive 2002/96/ & RoHS Directive 2002/95/EC and therefore meets the criteria of CE conformity.

Battery: Two AA cells. **Size** 20 x 11.5 x 8.5cm. **Weight:** 650gm (including battery) **Operating temperature :** -10° to 65° C

OPERATION

The RM100 provides an indication of radiation exposure rate in $\mu\text{Sv/hr}$ on its large analogue meter scale up to a maximum of $100\mu\text{Sv/hr}$. Above this level the meter backlights will flash and an alarm sound will be emitted from the built in loudspeaker.

The unit takes $\mu\text{Sv/hr}$ measurements in its normal survey mode and also has two further measurement modes, 'Peak Hold' and 'Accrued Dose'.

Peak hold will retain the highest value displayed on the meter scale since the function was selected, Accrued Dose will totalise radiation second by second to allow dose-over-time measurements to be displayed on the meter scale.

The unit will emit a 'click' sound each time a radiation event is detected, which can be muted if desired. The meter scale can also be backlit if required during low ambient lighting conditions.

The RM100 also has inbuilt fault detection and status monitoring, and will warn if a fault or over-range is present or the batteries require replacement.

