RAM GENE-1 mark II

ROBUST HAND HELD CONTAMINATION AND RADIATION MONITOR WITH BACKING LIGHT

Designed for work in extreme conditions, features a ruggedized casing and backlight and contains a specially designed energy filter embedded in the cap for dose rate radiation monitoring according to Ambient Dose Equivalent, with the additional flexibility of a contamination meter.

The RAM GENE-1 mark II is equipped with a recessed internal GM pancake detector using a thin mica window protected by a stainless steel screen.

The transition between measuring dose rate radiation and contamination is achieved by simply removing or replacing the plastic cap.

FEATURES

- Large, four digit, continuous ranging, LCD display
- Simple, three key operation
- Large 1.75" pancake GM detector
- Suitable for alpha, beta or gamma contamination detection
- Unit readouts of count rate (CPS in contamination mode and (µSv/hr) in dose mode.
- Audible and visual (LED) count rate indication
- Smart software provides fast, yet stable response
- Dead time correction
- Alarms for overflow, low battery and detector failure
- Automatic self diagnostic routines
- Durable case with splash resistant keypad
Technical Data

Display: Large, four digit, continuous ranging LCD readout for display of count rate, dose rate, overflow, low battery, and detector failure.

LED: Flashing count rate indication with Audio Piezo electric element synchronized with count LED.

Units: Counts per second (CPS) or counts per minute (CPM) and µSv/hr or mR/hr.

Controls: Three key keypad with positive feedback for ON/OFF Key combinations for selecting count rate or dose rate unit displays.

Power: Standard 9V alkaline battery - provides approximately 50 hours continuous use with speaker off. Automatic battery check under full load.

Detector: 1.75" Pancake GM tube - LND73118 or equivalent

Window: Mica, 1.5 - 2.0 mg/cm² protected by stainless steel mesh.

Count Range: 0 - 42,000 cps

Sensitivity: Approximately 5.8 cps/µSv/hr - 137Cs

Measuring Range: 0.05µSv/hr to 7mSv/hr

Display Resolution: 0.01µSv/hr

Background: 0 - 1 cps

Temperature Range: Operation: -10°C to +50°C Storage: -20°C to +60°C

Humidity Range: 40% to 95% RH (non condensing)

Case: High impact ABS

Dimensions: 11cm x 6.7cm x 7.4cm

Weight: 0.565 Kg