

RAM GAM

Gamma Survey Meter



The RAM GAM Gamma Survey Meter is a state of the art, microprocessor based instrument. It offers optimal performance and is ideal for maintaining the highest safety standards in applications including: Industrial gauging, borehole logging and radiography, health physics, radiochemistry, nuclear medicine, material transport and storage, nuclear research centers, nuclear power industry.

Readout of dose rate and accumulated dose

- **Designed for single-handed operation**
- **Measuring range: 0.05mR/hr to 999mR/hr (0.5 μ Sv/hr to 9999 μ Sv/hr)**



- Compact, portable, lightweight
- Alarms for detector overflow, low battery and detector failure
- Dead time correction
- Automatic self diagnostic routines
- Large, four digit, continuous ranging, LCD display
- Simple, three key operation
- Programmable alarm thresholds
- Audible and visual (LED) count rate indication

Radiological characteristics

- detector: energy compensated GM-tube (ZP-1201)
- display range: 0.05mR/hr to 999mR/hr (0,5μSv/hr to 9999μSv/hr)
- energy range: 50 keV to 2 MeV
- detection range (+/- 10%): 0.005 R/h to 1000 R/h
- sensitivity: 17 cps per mR/hr
- accuracy: +/- 15% of reading within measuring range
- angular dependence: less than +/- 20% for +/- 45° of preferred direction

Electrical characteristics

- power source: standard 9V alkaline battery - provides approximately 50 hours continuous use with speaker off
- automatic battery check under full load

Mechanical characteristics

- meter dimensions (l x w x h): 13 x 7.2 x 3.4 cm (5.12 x 2.83 x 1.34 in)
- case: high impact ABS
- weight: 280 g (0.62 lbs)

Environmental characteristics

- temperature:
 - operation: -10°C to +50°C (15°F to 122°F)
 - storage: -20°C to +60°C (-5°F to 140°F)
- relative humidity: 40% to 95% RH (non condensing)

