



GSM-506

Survey Meter w/Internal & External Detector



The GSM-506 is a digital instrument with an analog display that automatically chooses the correct range with no user intervention required. The instrument includes an internal energy compensated GM detector and accepts one additional external detector. This allows the instrument range to meet hospital requirements of doses up to 2R/hour. Comes standard with timed-count capability, alarm setpoints and probe-saturation and other error indicators.

SPECIFICATIONS

Input Sensitivity	0.050v
External CPM/Dose Switch	External Switch selects CPM mode or Dose Linearized mode for the probe selected
Ranges-Internal-Autoranging	0-.2, 0-20, 0-200, & 0-2,000 mR/hr-4 Ranges
Ranges-External-Autoranging	0-.2, 0-2, 0-20, & 0-200 mR/H-4 Ranges 0-500, 0-5,000, 50,000, & 500,000 CPM-4 Ranges
Meets Nuclear Medicine Requirements	
Diagnostics	HV Out of Range, Battery Low, Probe Over-range
Range Adjustment	Auto-ranging
Electrical Non-Linearity	±5% of Full Scale
Response Time	Optimized for Each Range
Drift	< 5%
Audio	On-Off Front Panel Switch, water and solvent resistant
Environmental	-20°F (-28°C)-140°F (60°C)
High Voltage	Adjustable 300-1500 VDC Regulation ±1%
Low Voltage	+5 VDC & -5 VDC Regulation ±0.5%
Battery	6 "AA" Alkaline--400 hours nominal
Meter	High Torque, 3.5" with LED indicators in face for range, probe saturation, HV out of range & low battery
Circuitry	100% Digital Microprocessor Controlled
Dimensions	5.5" (14cm) H X 4" (10cm) W X 7" (18cm) L
Weight	2.5lbs. (1.2 Kilos) with batteries
Construction	Cast Aluminum & Stainless Steel
Probes	Internal Energy compensated GM 0-2,000 mR/hr, 550 vdc external--supports all Johnson probes