MICROPROCESSOR SURVEY METER
with ENERGY COMPENSATED GM PROBE

The GSM-500 with the GP-1002 Energy Compensated Probe provides a rugged, accurate solution for gamma exposure rate measurement. This instrument features microprocessor-based digital circuitry that is stable and reliable. The auto-ranging analog meter offers a familiar, easy to read display. The lightweight GP-1002 probe is an energy-compensated GM detector that provides contamination monitoring and gamma dose measurement from 50KeV to 1.5MeV.

- Analog readout, microprocessor digital circuitry
- Auto-ranging analog readout
- Linearizes the dose response of detector
- Measures contamination & dose
- Measures gamma dose to 2,000 mR/hr
- Switch-selectable CPM or Dose
- Supports all Johnson GM & scintillation probes
- Heavy duty cast aluminum & stainless steel

SPECIFICATIONS:
Survey Meter:
Ranges: 0-2, 0-20, 0-200, 0-2000 mR/hr
0-500, 0-5000, 0-50,000 & 0-500,000 cpm
Separate calibration controls for each range

Panel Controls:
- Function Selector: OFF, MEASURE, INTEGRATE, PEAK
- SPEAKER / ZERO switch
- CPM / DOSE switch

High Voltage: 300 - 1300 VDC ±1% Stability

Panel Meter: High torque 2.5" analog with LED indicators for Range,
Probe Saturation, HV out of range, and Low Battery

Calibration: Gamma Dose (Cs\(^{137}\)) Dead Time Compensated CPM

Audio Output: High efficiency piezo-electric, water and solvent proof

Power Supply: 6x “AA” Alkaline batteries

Operating Time: 400 hrs nominal

Finish: Blue polyurethane enamel

Weight: 2.5 Pounds (1.2 kg) including batteries

Dimensions: 5.25" (14 cm) H X 4" (10 cm) W X 7" (18 cm) L

Temperature Range: -20°F — 140°F
5% — 95% RH Non Condensing — IPX4

GP-1002 Energy-compensated GM Probe:
Range: 0—2,000 mR/Hr (without linearization)
Sensitivity: 500 CPM/mR/hr
Energy Response: 50KeV — 1.5MeV ±15%
Operating Voltage: 535 VDC
Dimensions: 1" (2.5 cm) diameter x 6" (15.24 cm)
Weight: 4 ounces (.12 kg)

GP-1002 Energy Compensated GM Probe
with epoxy & PVC coated aluminum housing.

GSM-500EC Survey Meter Package ........ 1,160.00
Includes GP-1002 Energy Compensated Probe, mounted Cs137 check source, cable, manual, and calibration certificate.