

W.B. JOHNSON GSM-500

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 $\pm 1\%$ 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 (Cs¹³⁷) 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 $\pm 15\%$

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.*

☑ **Tested.** Meets applicable standards.

Prices subject to change without notice.

J. Gravengard Corporation

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GSM-500EC

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

www.jgravengard.com 2009-11-02