

LUDLUM MODEL 3

SURVEY METER WITH ENERGY COMPENSATED THIN WALL GM PROBE

For dose measurements, surveys of incoming/ outgoing packages

This meter/probe combination provides good sensitivity and energy response characteristics for measuring exposure rates (meter scale reads in mR/hr). For energy levels below Cs-137, the Energy Compensated Thin Wall Probe is more accurate than pancake-type detectors (which tend to over-respond at low levels). The durable and easy to handle Model 3 Survey Meter has four multipliers, voltage adjustment from 200 to 1500 volts, and typically delivers 2,000+ hours of service on one pair of D-cell batteries.



SPECIFICATIONS:

Model 3 Survey Meter:

Meter Face: 0-2 cpm/mR/hr, battery test
Compatible Detectors: GM, scintillation
Threshold: 30 mV \pm 10 mV
Multipliers: x0.1, x1, x10, x100
Internal Detector: N/A
Alarm: N/A
High Voltage: Adjustable from 200-1500 volts
Battery Life: Typically > 2,000 hrs
Housing: Aluminum with polyurethane paint finish
Dimensions: 6.5" h x 3.5" w x 8.5" l (16.5 x 8.9 x 21.6 cm)
Weight: 3.5 lb (1.6 kg) including batteries

Energy Compensated Thin Wall Probe:

Indicated use: Beta-gamma survey
Detector: 30 mg/cm² stainless steel wall halogen quenched GM
Sensitivity: Typically 1200 cpm/mR/hr (Cs-137 gamma)
Beta Cut-off: Approx. 200 keV (window open)
Dead Time: Typically 95 μ s
Operating Voltage: 900 volts
Energy Response: Within \pm 15% of true value from 50 keV – 1.25 MeV
Construction: Anodized aluminum housing for energy compensation
Cable: 39" l (99 cm), type "C" connectors
Dimensions: 1.3" dia x 6.5" l (3.3 x 16.5 cm)
Weight: 1 lb. (0.5 kg)

FEATURES:

- **Beta-gamma surveying**
- **Meter scale reads in mR/hr**
- **Range: 0 — 200 mR/hr**
- **30 mV Threshold**
- **Four multipliers: x0.1, x1, x10, x100**
- **Meter with probe weighs only 4.5 pounds**

051-008 Survey Meter, Model 3 \$1,135.00
*Includes Energy Compensated Thin Wall Probe
and mounted Check Source (Cs-137. 1.0 μ Ci).*

Prices subject to change without notice.

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J. Gravengaard Corporation

Medical Imaging Sales & Service

PO Box 20171 Portland, Oregon 97294 Nationwide (800)796-SCAN Local (503)255-0535 Fax (503)255-7047