

LUDLUM MODEL 3

SURVEY METER WITH END-WINDOW GM PROBE

Satisfies NRC requirements for Nuclear Medicine departments

A standard survey instrument for nuclear medicine departments, the portable Model 14C Survey Meter with End-window Probe meets the essential surveying needs of most Nuclear Medicine facilities. The end-window probe is used to check hands, clothing, packages, and other surfaces for contamination, and for background readings. The meter features a built-in speaker with ON/OFF switch, front-access calibration controls, push-button reset to zero the meter, and a toggle switch to select FAST (4 sec.) or SLOW (22 sec.) response. 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:

Survey Meter:

Meter Face: 0-2mR/hr, 0-4.2k cpm, 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

Thin End-window GM Probe:

Indicated Use: Alpha, beta, and gamma surveying; sample counting

Detector: End-window halogen quenched GM

Window: 1.7 \pm 0.3 mg/cm² mica

Window Area: 6 cm active, 5 cm² open

Efficiency (4pi): 2 % for C-14, 10% for Sr-90 and Y-90, 7% for Tc-99 and Pu-239

Gamma Sensitivity: 2100 cpm/mR/hr for Cs-137

Energy Response: Energy dependent

Operating Voltage: 900 volts

Protective Screen: 79% open, stainless steel

Housing: Anodized aluminum

Dimensions: 1.8" diameter x 5.8" l (4.6 x 14.7 cm)

Weight: 1 lb (0.5 kg)

Detector Cable: 39" (99 cm), type "C" connectors



FEATURES:

- *Monitors alpha, beta, and gamma*
- *External thin end window GM probe (39" cable included)*
- *Four counting scales (x0.1, x1, x10, x100)*
- *Alpha Efficiency – 7%*
- *Beta Efficiency – 2% for C-14, 10% for Sr-90*
- *Gamma Efficiency – 7% for Tc-99*
- *Sensitivity – 2100 cpm/mR/hr for Cs-137*
- *Greater than 2000 hour battery life*

051-006 Survey Meter, Model 3 \$1,080.00
Includes External End-Window GM Probe and mounted Check Source (Cs-137, 1.0 uCi).

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