

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/cm<sup>2</sup> 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 $\mu$ 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  $\mu$ Ci).*

*Prices subject to change without notice.*

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