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Ludlum  
Model 3A Alarming Survey Meter  
PART NUMBER:48-1408

- 4 Ranges
- Utilizes G-M, or Scintillation Detectors
- Typical Counting Range from 0 - 200 mR/hr, or 0 - 500,000 cpm
- Built-In Alarm



**INDICATED USE:** General purpose survey

**COMPATIBLE DETECTORS:** G-M, scintillation

**METER DIAL:** 0 - 2 mR/hr, or 0 - 5k cpm, BAT TEST (*others available*)

**MULTIPLIERS:** X0.1, X1, X10,X100

**LINEARITY:** Reading within  $\pm 10\%$  of true value with detector connected

**CONNECTOR:** Series "C" (*others available*)

**ALARM:** Indicated by red lamp on front panel and audio going to constant tone (**NOTE:** *The alarm circuit on the Model 3A is triggered by meter deflection*)

**AUDIO:** Built in unimorph speaker with ON/OFF switch (*greater than 60 dB at 2 feet*)

**CALIBRATION CONTROLS:** Accessible from front of instrument (*protective cover provided*)

**HIGH VOLTAGE:** Adjustable from 200 - 1500 volts

**THRESHOLD:** 30 mV  $\pm$  10 mV

**RESPONSE:** Toggle switch for FAST (4 seconds) or SLOW (22 seconds) from 10% to 90% of final reading RESET: Push-button to zero meter

**POWER:** 2 each "D" cell batteries (*housed in sealed compartment that is externally accessible*)

**BATTERY LIFE:** Typically greater than 600 hours with alkaline batteries (*battery condition can be checked on meter*)

**METER:** 2.5" (6.4 cm) arc, 1 mA analog type

**CONSTRUCTION:** Cast and drawn aluminum with beige polyurethane enamel paint

**TEMPERATURE RANGE:** -4° F(-20° C) to 122° F(50° C)

May be certified for operation from -40° F(-40° C) to 150° F(65° C)

**SIZE:** 6.5" (16.5 cm)H X 3.5" (8.9 cm)W X 8.5" (21.6 cm)L

**WEIGHT:** 3.5 lbs. (1.6 kg) including batteries