

Long term reputation in the medical industry.

Assurance we will offer competitive pricing.

Customer service #1 priority.

One Stop.

LACO Inc.

can do it all!

Ludlum
Model 3 & Model 44-3
Low Energy Gamma Scintillator

**PART NUMBER:48-1605 &
PART NUMBER:47-1533**

- *4 Ranges*
- *Utilizes G-M, or Scintillation Detectors*
- *Typical Counting 0-200 R/hr, or 0 - 500,000 cpm*
- *Greater Than 2000 Hour Battery Life*



Model 3

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*)

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 2000 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

Long term
reputation in
the medical
industry.
Assurance we
will offer
competitive
pricing.

Customer
service #1
priority.

One Stop.

LACO Inc.

can do it all!

PART NUMBER:47-1533

*The Model 44-3 is a 1" X
1mm NaI(Tl) Gamma
Scintillator for low energy
gamma that can be used with
several different instruments
including survey meters,
scalers, ratemeters, and
alarm ratemeters*



INDICATED USE: I-125 and x-ray survey

SCINTILLATOR: 1" (2.5 cm) diameter X 1mm thick sodium iodide (NaI)Tl scintillator

ENTRY WINDOW: 15 mg/cm²

WINDOW AREA: 5 cm² active and open

RECOMMENDED ENERGY RANGE: Approximately 10 - 60 keV

BACKGROUND: Typically 40 cpm/microR/hr

SENSITIVITY: Typically 675 cpm/microR/hr (I-125)

EFFICIENCY(4pi geometry): Typically 19% - I-125

COMPATIBLE INSTRUMENTS: General purpose survey meters, ratemeters, and scalers

TUBE: 1.5:(3.8cm) diameter magnetically shielded photomultiplier

OPERATING VOLTAGE: Typically 500 - 1200 volts

DYNODE STRING RESISTANCE: 100 megohm

CONNECTOR: Series "C" (others available)

CONSTRUCTION: Aluminum housing with beige polyurethane enamel paint

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

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

SIZE: 2" (5.1 cm) diameter X 7" (17.8 cm)L

WEIGHT: 1 lb (0.5kg)