

Model 2401-EC2A Gamma Survey Ratemeter



Ludlum Measurements, Inc.

Features

- Self-Contained Survey Instrument
- Audible & Visual Alarm
- Energy Compensated GM Tube
- Simple to Use
- Low Cost
- Rugged



Introduction

The Model 2401-EC2A instrument is a self-contained, pocket size radiation detection meter that quickly and easily measures ionizing radiation. It employs an energy-compensated GM detector conveniently packaged inside the instrument. The meter measures 0–20 mR/hr exposure rate. Audible and visual alarms indicate radiation in excess of the set point. The metal case offers excellent protection against abuse. The overall size and integrated design facilitate ease of use.

Specifications

Part Number: 48-2995

INDICATED USE: gamma survey

DETECTOR: energy compensated GM

RANGE: 0–20 mSv/h (0–2000 mr/hr)

SENSITIVITY: typically 100 cpm per mR/hr (¹³⁷Cs gamma)

ENERGY RESPONSE: reading within 20% of true value from 60 keV to 3 MeV

RESPONSE TIME: typically 11 seconds from 10% to 90% of final reading

METER DIAL: 0–20 mR/hr (*others available*); BAT OK

MULTIPLIERS: x1, x10, and x100

AUDIO: click-per-event, may be turned off by moving selector to QUIET position

POWER: 9 volt battery

BATTERY LIFE: typically 250 hours with alkaline battery at normal background levels

CONSTRUCTION: drawn and cast aluminum, with membrane panel

SIZE: 4.6 x 8.4 x 13.5 cm (1.8 x 3.3 x 5.3 in.) (H x W x L)

WEIGHT: 0.4 kg (0.9 lb), including battery

ALARM: user-adjustable from 0 to full scale meter deflection, detected radiation over alarm setpoint triggers a red Alarm LED and steady audible tone whether in NORMAL or QUIET mode

Options

Belt Clip (Model L-4397-176), metal clip (shown)

Handle (Model L-4397-165-01), convenient L-shaped handle

Case (Model L-2310517), zippered nylon case with web belt loop

Case (Model L-2311119), rugged water, dust, & crush resistant case

Wrist Strap (Model L-4397-182), woven nylon lanyard with clip

Model 2401-ECA: same as Model 2401- EC2A, but detects & measures lower levels of gamma



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Note: specifications subject to change without notification. We are not responsible for errors or omissions.

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