

# Model 2401-EC Gamma Survey Ratemeter

*Radiation Detection for a Safer World*



Ludlum Measurements, Inc.

## Features

- Self-Contained Survey Instrument
- Energy Compensated GM Tube
- Simple to Use
- Low Cost
- Rugged
- CE Certified

## Introduction

The Model 2401-EC instrument is a self-contained, pocket size radiation detection meter for quickly and easily measuring low levels of gamma radiation. The meter measures 0–200 mR/hr exposure rate and also 0–210,000 cpm via separate scales. The metal case offers excellent protection against abuse. The overall size and integrated design facilitate ease of use.



Part Number: 48-2824

## Specifications

INDICATED USE: gamma survey

DETECTOR: energy compensated GM tube

RANGE: 0–200 mR/hr; 0–210,000 cpm

SENSITIVITY: typically 1050 cpm/mR/hr (<sup>137</sup>Cs gamma)

ENERGY RESPONSE: reading within 20% of true value

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

METER DIAL: 0–2 mR/hr; 0–2100 cpm, 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: no

## Options

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

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- EC, but with audible & visual alarm

