

# Model 2401-ECA Gamma Survey Ratemeter



Ludlum Measurements, Inc.

## Features

- Self-Contained Survey Instrument
- Audible & Visual Alarm
- Simple to Use
- Low Cost
- Rugged

## Introduction

The Model 2401-ECA instrument is a pocket size radiation detection meter with an integrated energy-compensated GM tube for measuring low levels of gamma radiation. The meter measures 0–200 mR/hr exposure rate and also 0–210,000 cpm via separate scales. Audible and visual alarms indicate radiation levels in excess of the user-adjustable alarm set point. The metal case offers excellent protection against abuse. The overall size and integrated design facilitate ease of use.



Part Number: 48-2996

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

## 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-EC: same as Model 2401-ECA, but without audible & visual alarm

