

# Model 2401-EW

## Alpha Beta Gamma Count Ratemeter

*Radiation Detection for a Safer World*



Ludlum Measurements, Inc.

### Features

- Integrated Meter with End-Window GM Tube
- Simple to Use
- Low Cost
- Rugged
- CE Certified

### Introduction

The Model 2401-EW is a general purpose, self-contained, pocket size radiation detection meter that quickly and easily measures ionizing radiation. It employs an end-window type GM detector conveniently packaged inside the instrument, with a protective screen covering located along the middle of the top end of the instrument. The meter presents two scales: CPM for contamination measurements, and mR/hr for exposure rate.



Part Number: 48-2874

### Specifications

INDICATED USE: alpha, beta, gamma survey

DETECTOR: 1.4 cm (0.57 in.) diameter end-window GM

RANGE: 0–200 mR/hr; 0–210,000 cpm

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

ENERGY RESPONSE: energy dependent

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

METER DIAL: 0–2 mR/hr; 0–2100 kcpm, 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-EWA: same as Model 2401-EW, but with audible & visual alarm

