

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 (¹³⁷Cs 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

