

Model 2401-P

Alpha Beta Gamma Count Ratemeter

Features

- Self-Contained Survey Instrument
- Integrated GM Pancake Probe
- Simple to Use
- Low Cost
- Rugged
- CE Certified

Introduction

The Model 2401-P instrument is a general purpose, self-contained, pocket-sized radiation detection meter designed around the venerable GM pancake detector. A simple switch allows the user to choose among the three decade ranges. Another switch selects between QUIET (click-per-event audio off), NORMAL, BAT CHECK, or OFF. The detector is conveniently packaged inside the instrument, and has a protective screen window. The meter presents two scales, CPM for contamination measurements and mR/hr for exposure rate.



Part Number: 48-2875

Specifications

INDICATED USE: alpha, beta, gamma survey
DETECTOR: 15 cm² (2.3 in²) pancake GM
RANGE: 0-15 mR/hr; 0-50,000 cpm
SENSITIVITY: typically 3300 cpm/mR/hr (¹³⁷Cs gamma)
EFFICIENCY: 5%—¹⁴C; 22%—⁹⁰Sr/⁹⁰Y; 19%—⁹⁹Tc; < 1%—^{99m}Tc, 32%—³²P; 15%—²³⁹Pu
ENERGY RESPONSE: energy dependent
RESPONSE TIME: typically 11 seconds from 10% to 90% of final reading
METER DIAL: 0-500 cpm; 0.15 mR/hr; 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

Back View with
Optional Belt Clip



Options

Belt Clip (Model L-4397-176), metal clip
Handle (Model L-4397-165), 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-PA: same as Model 2401-P, but with audible & visual alarm



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