

Model 2401-S Pocket Size Survey Meter



Ludlum Measurements, Inc.

Features

- Self-Contained Survey Instrument
- Internal Scintillator Detector
- Audible & Visual Alarms
- Simple to Use
- Low Cost
- CE Certified

Introduction

The Model 2401-S is a pocket sized, self contained survey meter with an analog display for measuring low-level gamma exposure. The unit uses a cesium iodide (CsI) detector integrated inside the instrument, and comes with a built-in audio and visual alarm. The metallic case, convenient size, and low price make this an ideal tool for checking ambient levels in a wide variety of applications.

Each time the Model 2401-S is turned on, it measures background radiation levels and automatically determines the alarm setting. If the radiation levels exceed this setting, the alarm audio will beep every 1/8 second and the lamp will flash.



Part Number: 48-3117

Specifications

- INDICATED USE:** low-level gamma and X-ray survey
DETECTOR: 18 mm diameter cesium iodide (CsI) scintillation crystal
RANGE: 0–5000 $\mu\text{R/hr}$
SENSITIVITY: 100 cpm/ $\mu\text{R/hr}$ (^{137}Cs)
ENERGY RESPONSE: energy dependent
RESPONSE TIME: typically 5 seconds from 10% to 90% of final reading
METER DIAL: 0–50 $\mu\text{R/hr}$ (0–0.5 $\mu\text{Sv/h}$), others available; BAT OK
MULTIPLIERS: x1, x10, and x100
AUDIO: click-per-event, may be turned off by moving selector to QUIET position
POWER: one 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: Detected radiation in excess of the alarm point will trigger a red Alarm LED and audible beep, whether in NORMAL or QUIET operating 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

