

# Model 2401-S Pocket Size Survey Meter

*Radiation Detection for a Safer World*



Ludlum Measurements, Inc.

## Features

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

## Introduction

The Model 2401-S is a pocket sized 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 µR/hr  
SENSITIVITY: 120 cpm/µR/hr (<sup>137</sup>Cs)  
ENERGY RESPONSE: energy dependent  
RESPONSE TIME: typically 5 seconds from 10% to 90% of final reading  
METER DIAL: 0–50 µR/hr (0–0.5 µSv/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: 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

