

# Model 5 Gamma Survey Meter



Ludlum Measurements, Inc.

## Features

- 0–20 mSv/h (0–2000 mR/hr) Range
- Two Internal Energy-Compensated GM Detectors
- Rugged Construction
- 5-Range Analog Ratemeter



Part Number: 48-1607

## Introduction

The Model 5 is a gamma exposure ratemeter equipped with two internally housed, energy-compensated GM detectors that measure over the range of 0–20 mSv/h (0–2000 mR/hr). The aluminum cast instrument housing with its separate battery compartment and accompanying metal handle offer an industrial robustness and quality that promote long lasting protection and instrument life. The front-panel controls include a rotary switch for selecting the five display ranges and instrument shut-off, an audio on/off switch, a fast/slow response switch, and pushbuttons for count reset and battery test. The Model 5 is a complete turn-key system and includes two “D” cell batteries.

## Options

Check Source: Model L-01-5196  
Lighted Handle: Model L-4464-154  
Shoulder Strap: Model L-4363-413  
Portable Scaler Option: Model L-4464-114

## Specifications

**INDICATED USE:** gamma survey  
**DETECTOR:** 2 energy-compensated GMs, housed inside instrument enclosure  
**ENERGY RESPONSE:** within 15% of true value from 60 keV to 3 MeV  
**RANGE:** 0–20 mSv/h (0–2000 mR/hr)  
**HIGH VOLTAGE:** 540 +/- 25 Vdc  
**WORKING ENVIRONMENT:** normal working conditions  
**METER:** analog dial: 0-2 mR/hr, BAT TEST (others available)  
**MULTIPLIER:** x0.1, x1, x10, x100, x1000  
**BACKLIGHT:** no  
**OVERLOAD PROTECTION:** yes  
**AUDIO:** built-in unimorph type speaker with ON/OFF switch  
**ALERT/ALARM:** no  
**RESET:** pushbutton to zero meter  
**CALIBRATION CONTROLS:** accessible from the front of the instrument  
**RS-232 PORT:** no  
**POWER:** two each “D” cell batteries (housed in sealed compartment that is externally accessible)  
**BATTERY LIFE:** typically greater than 2000 hours  
**TEMPERATURE RANGE:** -20 to 50 °C (-4 to 122 °F)  
**SIZE:** 19.0 x 8.9 x 21.6 cm (7.5 x 3.5 x 8.5 in.) (H x W x L)  
**WEIGHT:** 1.6 kg (3.5 lb), including batteries

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Note: specifications subject to change without notification. We are not responsible for errors or omissions.

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