

Model 5 Radiography Meter

Radiation Detection for a Safer World



Ludlum Measurements, Inc.

Features

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