Model 6
Gamma Ratemeter

Features

- Range 0–10 mSv/h (0–1000 mR/hr)
- Splashproof
- Energy Compensated GM Detector
- Overload Protection
- Rugged
- 3-Range Analog Ratemeter

instrument face shown with handle removed

Introduction

The Model 6 is a gamma exposure ratemeter equipped with an internally housed, energy compensated GM detector that measures over the range of 0 to 10 mSv/h (0 to 1000 mR/hr). The cast aluminum 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 offers a single rotary selection switch for the three-decade range, instrument shut-off, and battery test. The Model 6 is a complete turn-key system and includes two "D" cell batteries.

Specifications

Part Number: 48-1676

INTENDED USE: measuring gamma exposure rates, radiographer survey
MEASUREMENT RANGE: 0-10 mSv/h (0-1000 mR/hr)
DETECTOR: energy compensated GM, housed inside instrument enclosure
ENERGY RESPONSE: within 15% of true value from 60 keV to 3 MeV
METER: analog dial: 0–10 mR/hr, BAT TEST (others available)
OPERATOR CONTROLS: a single five-position rotary knob with multiplier ranges for x1, x10, x100; Battery Test, and Instrument On/Off
CALIBRATION CONTROLS: internal
OVERLOAD PROTECTION: yes
POWER: 2 "D" cell batteries (housed in sealed compartment that is externally accessible)
BATTERY LIFE: typically 600 hours with alkaline batteries
CONSTRUCTION: cast and drawn aluminum with beige powder coat
WORKING ENVIRONMENT: splashproof for outdoor use
TEMPERATURE RANGE: -30 to 50 °C (-22 to 122 °F)
SIZE: 16.5 x 8.9 x 21.6 cm (6.5 x 3.5 x 8.5 in.) (H x W x L), with handle
WEIGHT: 1.6 kg (3.5 lb), including batteries

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