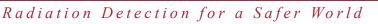
Model 19A MicroR Ratemeter



Features

- High Sensitivity to Gamma
- Analog Meter with Audible & Visual Alarms
- Range: 0-5 µSv/h (0-500 µR/hr)
- Rugged
- Splashproof Protection for Outdoor Use
- **CE** Certified



Part Number: 48-2117

Introduction

The Model 19A is a highly sensitive portable survey meter with audio and visual alarm indicators. It employs an internally housed, 2.5 cm diameter by 2.5 cm thick (1.0 x 1.0 in.) Nal detector. The cast aluminum instrument housing with its sealed 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 instrument On, Off, or BAT check, an Audio On/Off switch, and a pushbutton Alarm Reset. The alarm circuit is adjustable over the entire scale range. The Model 19A is a complete turn-key system, and includes two "D" cell batteries.



Specifications

INDICATED USE: low-level (µR) gamma survey DETECTOR: 2.5 x 2.5 cm (1 x 1 in.) (Dia x L) Sodium Iodide (Nal[TI]) scintillator SENSITIVITY: approximately 17,500 cpm/µSv/h (175 cpm/µR/hr) (137Cs gamma) ENERGY RESPONSE: energy dependent LINEARITY: reading ±10% of true value METER: 6.4 cm (2.5 in.) arc, 1 mA analog type METER DIAL: 0-5 µSv/h (0-500 µR/hr) dual colored logarithmic scale, BAT TEST CONTROLS ROTARY KNOB SELECTOR: Instrument Off, Battery Check, Instrument On AUDIO: built-in unimorph speaker (greater than 60 dB at 0.6 meters [2 ft]) with ON/OFF switch ALARM RESET: pushbutton to reset alarm ALARM: 0 to off-scale (audio and visual indication when above alarm threshold) CALIBRATION CONTROLS: accessible from front of instrument (protective cover provided) WORKING ENVIRONMENT: splashproof shields for outdoor use TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F), may be certified for operation from -40 to 65 °C (-40 to 150 °F) POWER: 2 each "D" cell batteries (housed in sealed compartment that is externally accessible) BATTERY LIFE: typically 600 hours with alkaline batteries (battery condition can be checked on meter) CONSTRUCTION: cast and drawn aluminum with beige powder coat paint SIZE: 19.8 x 8.9 x 21.6 cm (7.8 x 3.5 x 8.5 in.) (H x W x L), with handle WEIGHT: 2.1 kg (4.5 lb), including batteries **Options:**

Shoulder Strap: Model L-4363-413 Lighted Handle: Model L-4464-154 Check Source (137Cs, 1 µCi): Model L-01-5196