

Model 18 General Purpose Ratemeter

Radiation Detection for a Safer World



Ludlum Measurements, Inc.

FEATURES

- Low Price
- Rugged
- 4-Decade Analog Ratemeter
- Supports GM, Proportional and Scintillation Type Detectors
- Adjustable Window

Specifications

COMPATIBLE DETECTORS: GM, proportional, scintillation

HIGH VOLTAGE: three independent settings adjustable from 400 to 2500 Vdc

THRESHOLD: -2 to -60 mV

WINDOW: adjustable from 0 to 60 mV above the threshold, switch provided on front panel to turn on or off

OVERLOAD: optional

LINEARITY: $\pm 10\%$ of true value with detector connected

CONTROLS:

- Rotary Selector Switch: off, battery check, range selections for x1, x10, x100, x1000
- Reset Button: to zero meter
- High Voltage Check Button: view high-voltage setting on meter face
- Response Switch: toggles between FAST (4 seconds) or SLOW (22 seconds) from 10% to 90% of final reading
- Audio Switch: on/off, built-in unimorph speaker, 60 dB at 0.6 meters (2 ft)
- Window Switch: toggles window between wide open (gross) and pre-selected value between 0-60 mV
- High Voltage Selector Switch: three positions for pre-selected high-voltage settings representing three detector setups
- Calibration Controls: accessible from front of instrument (protective cover provided)

CONSTRUCTION: cast and drawn aluminum with beige powder coating

METER DIAL: 0-500 cpm, 0-2.5 kV, BAT TEST (others available)

DETECTOR CONNECTOR: type "C" series

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: two each "D" cell batteries (housed in externally accessible sealed compartment)

BATTERY LIFE: 600 hours

SIZE: 16.5 x 8.9 x 21.6 cm (6.5 x 3.5 x 8.5 in.) (H x W x L)

WEIGHT: 1.6 kg (3.5 lb), including batteries



Part Number: 48-1613

