

# Model 18 General Purpose Ratemeter



Ludlum Measurements, Inc.

## FEATURES

- Low Price
- Rugged
- 4-Range 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

