

# LUDLUM MEASUREMENTS, INC.

## Model 16 General Purpose Ratemeter

Part Number: 48-1612

### Features

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

### Specifications

**COMPATIBLE DETECTORS:** GM, proportional, scintillation  
**METER DIAL:** 0-500 cpm, 0-2.5 kV, BAT TEST (others available)

**LINEARITY:** 10% of true value

**HIGH VOLTAGE:** adjustable from 400-2500 volts

**THRESHOLD:** adjustable from 2-60 mV

**WINDOW:** adjustable from 0-60 mV above threshold, can be turned on or off

**OVERLOAD:** senses detector saturation, indicated by red lamp and full-scale meter reading

#### CONTROLS

- Multi-Selector Switch: range multipliers: x1, x10, x100, x1000, battery check, instrument On/Off
- Audio: on/off switch, built-in unimorph speaker, greater than 60 dB at 61 cm (2 ft)
- Response Time: toggle switch for Fast (4 seconds) or Slow (22 seconds) from 10% to 90% of final reading
- Window: toggle switch for window in or out
- Reset: pushbutton to zero the meter reading
- High Voltage Check: pushbutton
- Calibration Controls: screwdriver adjustable settings for window, threshold, overload, high voltage, and for each of the four ranges

**CONSTRUCTION:** cast and drawn aluminum with beige powder coat paint

**METER:** 6.4 cm (2.5 in.) arc, pivot-and-jewel suspension

**CONNECTOR:** series "C"

**POWER:** 2 each "D" cell batteries, housed in sealed compartment that is externally accessible

**BATTERY LIFE:** 600 hours

**TEMPERATURE RANGE:** -20 to 50 °C (-4 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), including handle

**WEIGHT:** 1.6 kg (3.5 lb), including batteries

