

# Model 3A

## General Purpose Alarming Ratemeter



### FEATURES:

- Supports GM, Proportional & Scintillation Type Detectors
- Audible & Visual Alarms
- Low Price
- Rugged
- 4-Decade Analog Ratemeter

This is identical to the general purpose, Model 3 handheld analog ratemeter with the addition of an audible and visual alarm. The 3A is likewise known for its accuracy and long-lasting dependability. The analog meter comes in a variety of measurement ranges and units to support the external radiation detector selected.

The aluminum cast 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. A one meter (39 in.) straight type detector cable with "C" style connector is included in the price of the instrument.

### SPECIFICATIONS

**COMPATIBLE DETECTORS:** GM, proportional, scintillation

**HIGH VOLTAGE:** adjustable from 400-1500 Vdc

**THRESHOLD:** fixed at 40 mV  $\pm$  10 mV

**LINEARITY:** within 10% of true value

**ALARM:** indicated by red lamp on front panel and audio going to constant tone. The alarm circuit on the Model 3A is triggered by meter deflection.

#### CONTROLS:

- Rotary Selector Switch: off, battery check, range selections for x0.1, x1, x10, x100
- Reset: pushbutton to zero meter
- 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 61 cm (2 ft)
- Calibration Controls: accessible from front of instrument (protective cover provided)

**CONSTRUCTION:** cast and drawn aluminum with beige powder coating

**METER DIAL:** 0–2 mR/hr, or 0–500 kcpm, BAT TEST (others available)

**DETECTOR CONNECTOR:** type "C" series (others available)

**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:** typically greater than 2000 hours with alkaline batteries (battery condition can be checked on meter)

**SIZE:** 16.5 x 8.9 x 21.6 cm (6.5 x 3.5 x 8.5 in.)