

MODEL177 Alarm Ratemeter



Ludlum Measurements, Inc.



REAR VIEW

Part No.: 48-1632



- INDICATED USE:** Multi-purpose radiation monitoring; frisking
- COMPATIBLE DETECTORS:** G-M, scintillation
- CONNECTOR:** Series "C" (others available)
- AUDIO:** Built in unimorph speaker with volume control to provide click-per-event audio or audible alarm indicator
- ALARM SET:** Front panel locking control allowing alarm to be set at any point (can be read on meter)
- ALARM:** Indicated by red lamp and full volume audible tone (greater than 60 dB at 2 feet)
- METER DIAL:** 0 - 500 cpm, 0 - 1.5 kV, BAT TEST (others available)
- MULTIPLIERS:** X1, X10, X100, X1k
- LINEARITY:** Within $\pm 10\%$ of true value
- DATA OUT:** 9 pin series "D" connector allowing for external connections of the following items: battery, unregulated supply, instrument common ground, alarm signal (current sink), pulse out, external background subtract, and recorder output
- RECORDER OUTPUT:** Correlated to meter reading (adjustable to 1 volt at 1 mA)
- CALIBRATION CONTROLS:** Accessible from back of instrument (protective cover provided)
- HIGH VOLTAGE:** Adjustable from 200 - 1500 volts (can be checked on meter)
- THRESHOLD:** Adjustable from 10 - 100 mV
- RESPONSE:** Toggle switch for FAST (2.2 seconds) or SLOW (22 seconds) from 10% to 90% of final reading
- RESET:** Pushbutton to zero meter and/or reset alarm
- POWER:** 95 - 135 VAC (178 - 240 VAC available), 50-60 Hz single phase (less than 100 mA), 6 volt sealed lead-acid rechargeable battery (built in)
- BATTERY LIFE:** Typically 50 hours in non-alarm condition (battery condition can be checked on meter)
- BATTERY CHARGER:** Battery is continuously trickle charged when instrument is connected to line power and turned on (optional external fast charger available)
- METER:** 2.5" (6.4 cm) arc 1 mA analog type
- CONSTRUCTION:** Aluminum housing with beige polyurethane enamel paint
- TEMPERATURE RANGE:** 5°F(-15°C) to 122°F(50°C)
May be certified to operate from -40°F(-40°C) to 150°F(65°C)
- SIZE:** 5" (12.7 cm)H X 8" (20.3 cm)W X 6" (15.2 cm)D
- WEIGHT:** 4.2 lbs (1.9kg)