

MODEL 192 MicroR Meter



Ludlum Measurements, Inc.

INDICATED USE: Low level (microR)
gamma survey

DETECTOR: 2" diameter x 1" thick
sodium iodide NaI(Tl) scintillator

SENSITIVITY: Typically 700 cpm/ μ R/hr
(¹³⁷Cs gamma)

ENERGY RESPONSE: Energy
dependant

METER DIAL: 0 - 5 μ R/hr, BAT TEST
(others available)

MULTIPLIERS: X1, X10, X100, X1000

LINEARITY: Reading within $\pm 10\%$ of true value

ALARM: The Model 192 has a dual action alarm.

1. A *fixed alarm point* can be set at any point from 10% of full scale to full scale, and is indicated by a constant audible tone, and the lamp turning on.
2. A *quick deviation alarm* that is based on background radiation levels. When the instrument is turned on, it takes an 8 second measurement of background radiation levels and determines a deviation alarm setting. If the radiation level exceeds this setting, the alarm audio will beep every 1/8 second, and the lamp will flash.

AUDIO: Built in unimorph speaker with ON/OFF switch (*greater than 60 dB at 2 feet*)

CALIBRATION CONTROLS: Accessible from front of instrument (*protective cover provided*)

RESPONSE: Toggle switch for FAST (4 seconds) or SLOW (22 seconds) from 10% to 90% of final reading

RESET: Pushbutton to zero the meter, and also re-accumulate background data and recalculate the alarm deviation.

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

BATTERY LIFE: Typically 600 hours with alkaline batteries
(*battery condition can be checked on meter*)

METER: 2.5" (6.4cm) arc, 1 mA analog type

CONSTRUCTION: Cast and drawn aluminum with beige powder coat finish

TEMPERATURE RANGE: -4°F(-20°C) to 122°F(50°C)

May be certified for operation from -40°F(-40°C) to 150°F(65°C)

SIZE: 7.8"(19.8 cm)H X 3.5"(8.9 cm)W X 8.5"(21.6 cm)L

WEIGHT: 5 lbs(2.3 kg) including batteries



Part Number: 48-2945