

MODEL 19 MicroR Meter



Ludlum Measurements, Inc.



Part No: 48-1615

INDICATED USE: Low level (microR) gamma survey

WORKING ENVIRONMENT: Splash proof shields for outdoor use

DETECTOR: 1" X 1" NaI(Tl) scintillator

SENSITIVITY: Typically 175 cpm/ μ R/hr (^{137}Cs gamma)

ENERGY RESPONSE: Energy dependent

METER DIAL: 0 - 25 μ R/hr, 0 - 50 μ R/hr, BAT TEST

RANGE SELECTIONS: 0 - 25, 0 - 50, 0 - 250, 0 - 500, 0 - 5000 μ R/hr

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

LIGHT: Push-button to activate

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: Push-button to zero meter

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 polyurethane enamel paint

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

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

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

WEIGHT: 4.5 lbs (2.1 kg) including batteries