

Model 19A MicroR Meter



Ludlum Measurements, Inc.



PART NUMBER:48-2117

WORKING ENVIRONMENT: Splash proof shields for outdoor use

INDICATED USE: Low level (microR) gamma survey

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

SENSITIVITY: Typically 175 cpm/microR/hr (¹³⁷Cs gamma)

ENERGY RESPONSE: Energy dependent

METER DIAL: 0 - 500 microR/hr dual colored logarithmic scale, BAT TEST

ALARM: Indicated by red lamp and audible tone (Alarm audio overrides the audio ON/OFF switch)

LIGHT: Push-button to activate

LINEARITY: Reading within plus or minus 10% of true value

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

CALIBRATION CONTROLS:All calibration controls are internal

RESPONSE: Dependent on number of counts present (typically not greater than 7 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(-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: 4.5 lbs(2.1 kg) including batteries