

MODEL 193-6 SURVEY WAND

INDICATED USE: General purpose survey with alarm capabilities

DETECTOR: 6" (15.2cm) diameter X 1" (2.5cm) thick plastic scintillation detector

SENSITIVITY: Typically 2000 cpm/ μ R/hr (^{137}Cs gamma)

METER DIAL: 0 - 1 μ R/hr, BAT TEST (others available)

MULTIPLIERS: X1, X10, X100, X1000

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

ALARM: The Model 193 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 point.

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: -20°F (-29°C) to 140°F (60°C)

OVERALL LENGTH: 51" (129.5 cm)

WEIGHT: 8.5 lbs (3.9 kg) including batteries



PART NO. 48-3063



Optional Accessories

Functional Check Source (1 μCi ^{137}Cs)

Part Number 01-5196

Model 196-11 Headset

Part Number 47-2826

P.O. Box 810 / 501 Oak Street, Sweetwater, Texas 79556 / Website: www.ludlums.com
800-622-0828 / 325-235-5494 / Fax: 325-235-4672 / E-mail: huckabee@ludlums.com


Ludlum Measurements, Inc.