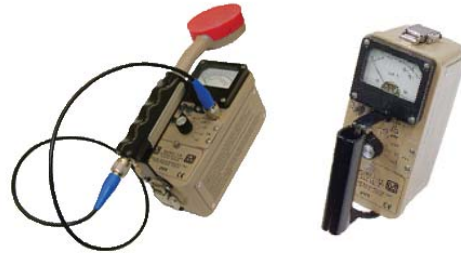


Model 3-IS Series Radiation Survey Meter

DESCRIPTION

The Model 3-IS series is an intrinsically safe radiation survey meter that can be used in areas where explosion safety is a primary concern. This meter is available in two models; a general purpose Model 3-IS which can be adapted to a variety of external radiation detectors for gamma exposure rate and neutron dose rate or alpha/beta/gamma contamination surveys, and the Model 3-IS-1 which is outfitted with a single, internally mounted GM detector for performing exposure rate measurements.



Model 3-IS

Model 3-IS-1

COMMON SPECIFICATIONS

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

MULTIPLIERS: X0.1, X1, X10, X100

LINEARITY: Reading within 10% of true value with detector connected

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)

HIGH VOLTAGE: Adjustable from 400 - 1000 volts

THRESHOLD: Fixed at 40 mV \pm 10 mV

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 Procell PC 1300 "D" cell batteries (housed in sealed compartment, externally accessible)

BATTERY LIFE: Typically greater than 2000 hours with alkaline batteries

CONSTRUCTION: Cast and drawn aluminum with beige powder-coat

TEMPERATURE RANGE: -4°F to 104°F (-20°C to 40°C)

SIZE: 6.5" H x 3.5" W x 8.5" L (16.5 x 8.9 x 21.6 cm)

WEIGHT: 3.5 lbs. (1.6 kg) including batteries

CERTIFICATIONS: UL 913 Class I, II & III Division 1 Groups A, B, C, D

CSA 22.22 No. 157

UL 61010-1 CSA C22.2 No. 61010-1

	Model 3-IS	Model 3-IS-1
Detector	Only Ludlum Models 44-2, 44-6, 44-9, 44-38, 42-41L are approved for use in this type of environment	Internally housed energy compensated GM tube, 100 cpm/mR/hr sensitivity
Detector Range	Depends on detector selected, typically 0-200 mR/hr, or 0-500,000 counts/minute (cpm)	0.1 mR/hr to 1.0 R/hr
Detector Connector	Special locking series "C" (39 inch cable only)	none
Meter Dial	0 - 2 mR/hr, or 0 - 5k cpm, BAT TEST (others available)	0 - 10 mR/hr, BAT TEST
Order Part Number	48-3581	48-3651