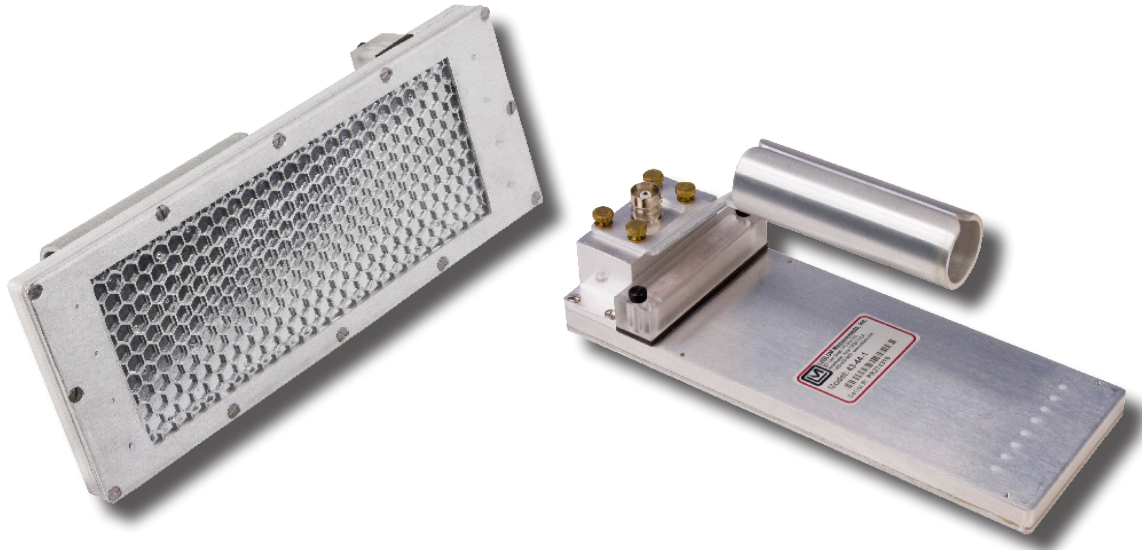


Model 43-44-1 Air Proportional Detector



Two views: face and back

Specifications

Part Number 47-2385

INDICATED USE: alpha survey

WORKING ENVIRONMENT: desiccant-vented chamber for outdoor use

SUGGESTED INSTRUMENTS: Models 12, 16, 18, 2000, 2200, 2221, 2241, 2350-1, 177-61

DETECTOR TYPE: air proportional

WINDOW: 0.4 mg/cm² metalized polyester

WINDOW AREA: 154 cm² (23.9 in²) active; 100 cm² (15.5 in²) open

EFFICIENCY (4 π): 8% for ²³⁹Pu

BACKGROUND: 3 cpm or less

OPERATING VOLTAGE: altitude sensitive

sea level - 2050 volts

610 m (2000 ft) - 2000 volts

1524 m (5000 ft) - 1925 volts

2134 m (7000 ft) - 1875 volts

COUNTER THRESHOLD SETTING: 1.5 -2.0 mV

CONSTRUCTION: anodized aluminum body with aluminum screen (79.1% open)

CONNECTOR: series "C" (others available)

TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F), may be certified for operation from -40 to 65 °C (-40 to 150 °F)

SIZE: 10.2 x 8.9 x 23.6 cm (4 x 3.5 x 9.3 in.) (H x W x L)

WEIGHT: 0.7 kg (1.5 lb)

Ludlum Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556

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Note: specifications subject to change without notification. We are not responsible for errors or omissions.

Oct 2020