

## Model 43-44 Air Proportional Alpha Detector



Two views: face and back

### Specifications

Part Number 47-1169

**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/cm<sup>2</sup> metalized polyester

**WINDOW AREA:** 76 cm<sup>2</sup> (11.8 in<sup>2</sup>) active; 50 cm<sup>2</sup> (7.8 in<sup>2</sup>) open

**EFFICIENCY (4 $\pi$ ):** 8% for <sup>239</sup>Pu

**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 6.4 x 22.9 cm (4 x 2.5 x 9 in.) (H x W x L)

**WEIGHT:** 0.5 kg (1.0 lb)

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

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