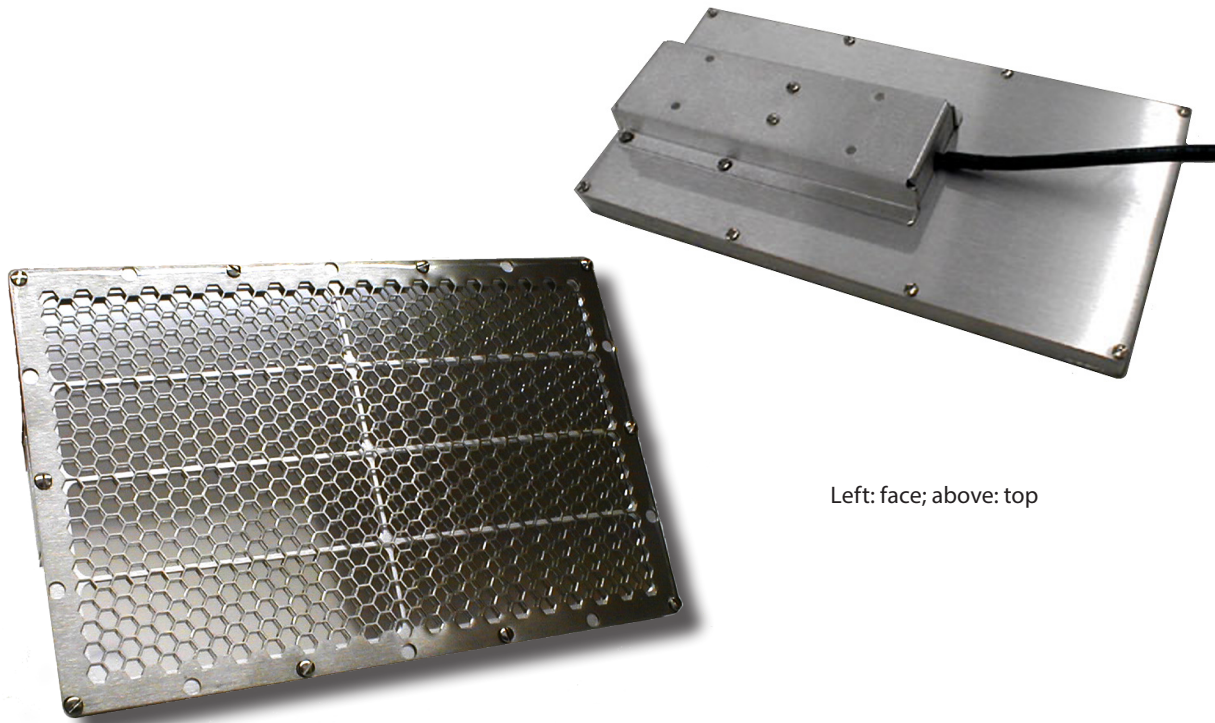


Model 43-40-2

Alpha Air Proportional Detector



Ludlum Measurements, Inc.



Left: face; above: top

Specifications

Part Number 47-3434

INDICATED USE: alpha survey

WORKING ENVIRONMENT: splashproof shields and desiccant-vented chamber for outdoor use

SUGGESTED INSTRUMENTS: Models 12, 16, 18, 2000, 2200, 2221, 2241, 2350

DETECTOR TYPE: air proportional

WINDOW: 0.4 mg/cm² aluminized metalized polyester

WINDOW AREA: 239 cm² (37.1 in²) active; 188 cm² (29.1 in²) open

EFFICIENCY (4 π): 10% 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: typically -2 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: 3.3 x 12.4 x 24.9 cm (1.3 x 4.9 x 9.8 cm) (H x W x L)

WEIGHT: 1.13 kg (2.5 lb)

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

Web: <http://www.ludlums.com> Tel: 800-622-0828 / 325-235-5494 / Fax: 325-235-4672 / Email: sales@ludlums.com

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

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