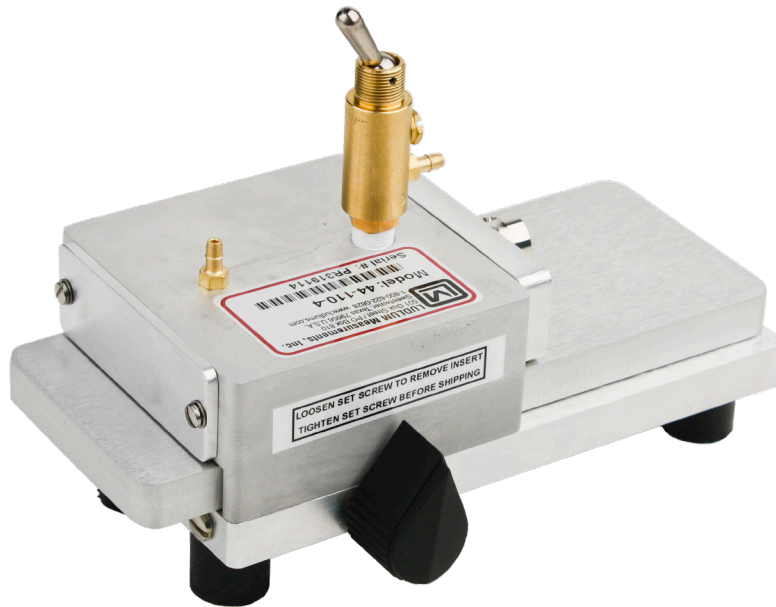


Model 44-110-4 Windowless Sample Counter Detector



Ludlum Measurements, Inc.



Specifications

Part Number: 47-3929

INDICATED USE: low-energy alpha and beta sample counting, can measure tritium

DETECTOR: windowless gas flow proportional

GAS FLOW: typically 0.1 L/min, detector equipped with 3.2 mm (0.125 in.) hose fittings and two-position switch flow valve

PURGE TIME: 60 seconds at gas flow of 0.1 L/min (100 cc/min), shorter times at higher gas flow

EFFICIENCY (4 π): 3%–³H, 21%–¹⁴C, 36%–⁶³Ni, 42%–²³⁹Pu

BACKGROUND: approximately 150 cpm in beta mode, < 3 cpm in alpha mode

OPERATING VOLTAGE: typically 1600-1900 Vdc

SAMPLE HOLDER: anodized aluminum tray with 2.5 cm (1.0 in.) diameter sample ring to allow for 2.5 or 5.1 cm (1.0 or 2.0 in.) diameter samples

SAMPLE SIZE (maximum): 5.1 x 0.9 cm (2.0 x 0.4 in.) (Dia x Depth)

COMPATIBLE INSTRUMENTS: Model 2200

CONNECTOR: Series "C"

CONSTRUCTION: aluminum housing

TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F)

SIZE: 15.2 x 11.4 x 23.6 cm (6 x 4.5 x 9.3 in.) (H x W x L)

WEIGHT: 1.5 kg (3.3 lb)

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

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