

Model 43-9

Alpha Sample Counter Head

Radiation Detection for a Safer World



Ludlum Measurements, Inc.



Part Number: 47-1525

Specifications

INDICATED USE: alpha sample counting

SUGGESTED INSTRUMENTS: Ludlum Model 2000, Model 2200, Model 2221, and the Model 2241-Series

SCINTILLATOR: ZnS(Ag) disc; plastic 0.25 mm (0.01 in.) thick

EFFICIENCY (4 π): 30% of ²³⁰Th

WINDOW: 0.4 mg/cm² metalized polyester

BACKGROUND: 3 cpm or less

PHOTOMULTIPLIER TUBE: 3.8 cm (1.5 in.) diameter

SAMPLE HOLDER: 2.5 x 0.15 cm (1 x 0.06 in.) (Dia x Depth)

OPERATING VOLTAGE: typically 500–1200 volts

CONSTRUCTION: aluminum with beige powder coat

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

CONNECTOR: series "C"

SIZE:

detector: 7.6 x 21.6 cm (3 x 8.5 in.) (Dia x L)

sample tray: 4.6 x 14 cm (1.8 x 5.5 in.) (W x L)

WEIGHT: 0.9 kg (2 lb)