

Model 43-10

Alpha Sample Counter Head

Radiation Detection for a Safer World



Part Number: 47-1526

Specifications

INDICATED USE: alpha sample counting

SUGGESTED INSTRUMENTS: Model 3030E, 2000, 2200, 2221, 2241 Series

DETECTOR TYPE: scintillator, ZnS (Ag)

DETECTOR OPERATING VOLTAGE: 500-1200 volts

CONNECTOR: series "C" (others available)

SAMPLE SIZE (maximum): 5.1 x 1.0 cm (2 x 0.4 in.) (Dia x L)

SAMPLE HOLDER: anodized aluminum tray with sample ring to allow for 2.5 cm (1 in.) or 5.1 cm (2 in.) diameter X 0.32 cm (0.125 in.) deep samples

PHOTOMULTIPLIER TUBE: 5.1 cm (2 in.)

WINDOW: windowless

EFFICIENCY (4 π): 37% for ²³⁹Pu

BACKGROUND: 3 cpm or less

CONSTRUCTION: aluminum housing with beige powder coat

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

WEIGHT: 1.9 kg (4.1 lb)

Optional Accessories

Sample Planchets

SIZE: 5.1 x 0.32 cm (2 x 0.125 in.) (Dia x Thickness)

Aluminum: Part Number 7525-371

Stainless Steel: Part Number 7525-371-01

(minimum order quantity 500)



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