Model 43-1-1 AlphaBeta Detector





Specifications Part Number: 47-2336 CE **INDICATED USE:** alpha beta survey SUGGESTED INSTRUMENTS: Models 2224-1, 2360 DETECTOR: scintillator, ZnS(Ag) adhered to 0.03 cm (0.01 in.) thick plastic scintillation material PHOTOMULTIPLIER TUBE: 3.8 cm (1.5 in.) diameter, magnetically shielded **OPERATING VOLTAGE:** typically 500–1200 volts WINDOW: 1.2 mg/cm² metalized polyester (1.3 mg/cm² recommeded for outdoor use) WINDOW AREA: 83 cm² active, 75 cm² open EFFICIENCY (4π): ALPHA: 33% for ²³⁹Pu ALPHA BETA: 4% for ¹⁴C BACKGROUND: 3 cpm or less CROSS TALK: alpha to beta: less than 10% beta to alpha: less than 1% **CONNECTOR**: series "C", others available **CONSTRUCTION:** aluminum housing with beige powder coat SIZE: 12.2 x 24.9 cm (4.8 x 9.8 in.) (Dia x L) WEIGHT: 0.9 kg (2 lb)

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

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