## 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/cm<sup>2</sup> metalized polyester (1.3 mg/cm<sup>2</sup> recommeded for outdoor use) WINDOW AREA: 83 cm<sup>2</sup> active, 75 cm<sup>2</sup> open EFFICIENCY (4π): ALPHA: 33% for <sup>239</sup>Pu ALPHA BETA: 4% for <sup>14</sup>C 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)

Ludium 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.

Mar 2016