

GM and Proportional Probes for Use with Portable Instruments

Models: P-13; P-13A; P-15; P-15A; P-23; P-24; P-28; P-28/4; P-55; P-1212

P6-LB; P6-A; PN-13; PPG-31; PPG-31T; PPG-41; PPG-41T

GM and Proportional Probes:

P-24: Underwater Probe uses Gamma sensitive GM tube. Constructed of anodized, welded aluminum with O-ring seal compressed by stainless steel bolts. The system has been tested by cycling to 60 feet of water pressure. Lifetime of the detector is approximately 1010 counts.



P-24

P-28: "Long Arm" Probe consists of 1-3/4" net diameter pancake tube mounted at the end of a 40" wand. For rapid checking of laboratory bench and equipment surfaces, floors and walls. Sensitive to soft Betas, from C and to Alphas. The 1.5 – 2 mg/cm window is protected by an easy to decontaminate grill. Wand is balanced and weighs only 23 ounces. The angle of the detector can be adjusted and locked in place.



P-28

P-28/4: Same as P-28 but includes 4 pancake tubes in head for faster more complete monitoring.



P-28/4

P-55 Series The **P-55-LR** (Low Wide Range) probe is 7" long and 1" in diameter for low wide range measurement Gamma-Betas. Has dual low range GM thin side wall probes one on each end.

Sensitivity: 5 μ R/h to 10 R/h (0.05 μ Sv/h to 100 mSv/h)

The **P-55-W** (High-Low Wide Range) and **P-55-HR** (High, Narrow Range) probe are 7" long and 1/2" in diameter. It contains two GM tubes for high and low range Gamma -Betas, measurements of the ambient Gamma radiation field. The low range GM tube is near the tip, and the high range GM tube is near the cable connection.

Sensitivity: TBM-55-W: 1R/h to 50 R/h (0.01 Sv/h to 0.05 Sv/h).

TBM-55-HR: 1R/h to 1,000 R/h (0.01 Sv/h to 10 Sv/h)

The **P-55 probe series** is supplied with 15 ft. cable

Energy Dependence: 20% from 100KeV to 1.2 MeV.



P-55

P-1212: Alpha, Beta Spot Probe, highly directional, small window, small volume GM probe designed for locating and measuring sources of Alpha and Beta radiation. The tube has a 6 mm dia. x 1.5 mg/cm₂ mica window. Low background (typically less than 2 cpm) makes it ideal for measurements of low-level sources.



P-1212



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