**MODEL 44-3 Low Energy Gamma Scintillator**

*PART NUMBER: 47-1533*

**The Model 44-3 is a 1” X 1mm NaI(Tl) Gamma Scintillator for low energy gamma that can be used with several different instruments including survey meters, scalers, ratemeters, and alarm ratemeters**

**INDICATED USE:** $^{125}\text{I}$ and x-ray survey  
**SCINTILLATOR:** 1" (2.5 cm) diameter X 1mm thick sodium iodide (NaI)Tl scintillator  
**ENTRY WINDOW:** 18.4 mg/cm²  
**WINDOW AREA:** 5 cm² active and open  
**RECOMMENDED ENERGY RANGE:** Approximately 10 - 60 keV  
**BACKGROUND:** Typically 40 cpm/microR/hr  
**SENSITIVITY:** Typically 675 cpm/microR/hr ($^{125}\text{I}$)  
**EFFICIENCY (4pi geometry):** Typically 19% - $^{129}\text{I}$  
**COMPATIBLE INSTRUMENTS:** General purpose survey meters, ratemeters, and scalers  
**TUBE:** 1.5:(3.8cm) diameter magnetically shielded photomultiplier  
**OPERATING VOLTAGE:** Typically 500 - 1200 volts  
**DYNOKE STRING RESISTANCE:** 100 megohm  
**CONNECTOR:** Series "C" (others available)  
**CONSTRUCTION:** Aluminum housing with beige powder coat  
**TEMPERATURE RANGE:** -4° F(-20° C) to 122° F(50° C)  
May be certified to operate from -40° F(-40° C) to 150° F(65° C)  
**SIZE:** 2” (5.1 cm) diameter X 7" (17.8 cm)L  
**WEIGHT:** 1 lb (0.5kg)

**Replacement Parts**

- Window Assembly
- Photomultiplier Tube
- Scintillator
- Protective Cap

**Ordering Info.**

- Model 44-3 Response Curve
- Manual

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