

MODEL 243 Shielded Well Scintillator

The Model 243 is a shielded well counter utilizing a NaI(Tl) scintillator with well.



PART NUMBER: 47-1621

INDICATED USE: Gamma assay

DETECTOR: 1.75"(4.45cm) diameter X 2"(5.08cm) thick integral NaI(Tl) well scintillator

WELL: 0.7"(1.7cm) diameter X 1.6"(3.9cm) Deep

EFFICIENCY (4pi geometry): Typically 70% - ¹²⁹I

SENSITIVITY: Will detect 0.005 microCi gamma or 200 dpm removable contamination for ^{99m}Tc, ¹³¹I, ²⁰¹Tl, ¹¹¹In, ¹²⁵I, ¹³⁷Cs and ⁶⁷Ga

COMPATIBLE INSTRUMENTS: Typically used with Model 1000, Model 2000, Model 2200, and others

TUBE: 2"(5.1cm) diameter magnetically shielded photomultiplier

OPERATING VOLTAGE: Typically 500 - 1200 volts

DYNODE STRING RESISTANCE: 60 megohm

CONNECTOR: Series "C" (*others available*)

CONSTRUCTION: 0.5"(1.3cm) thick lead and removable cap with beige polyurethane enamel paint

TEMPERATURE RANGE: -4° F(-20° C) to 122° F(50° C)
May be certified for operation from -40° F(-40° C) to 150° F(65° C)

SIZE: 11" (27.9cm)H X 8"(20.3cm)W X 8" (20.3cm)L

WEIGHT: 30 lbs (13.6 kg)

SHIPPING WEIGHT: 46 lbs (20.9kg)



DISTRIBUTED BY:



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