

SS404 Al PROBE

Thin-crystal NaI(Tl) probe for low energy gamma measurement.

An end window scintillation probe designed to be an equivalent to the 44A. It incorporates a Ø32 x 2.5 mm thick NaI(Tl) crystal mounted on an aluminium window and is fitted with an internal 3.15 mm lead collimator to reduce background counts.

SS 404 Al/Be	
Operating Voltage	Typically 650V DC
Detector Crystal	Ø32 x 2.5 mm NaI
Energy Response	SS404 Al: 15 keV to 250 keV SS404 Be: 5 keV to 250 keV
Housing Connector	MHV
Dimensions	Ø54 x 185mm
Weight	820g
Temperature	-10°C to +50°C

SS404 Be PROBE

Thin-crystal NaI(Tl) probe for low energy gamma measurement.

Similar to the SS404 Al but fitted with a beryllium window, which extends the low energy response down to 5 keV, making it suitable for counting ⁵⁵Fe.



SS404 Al/Be

SS500

SS500 PROBE

End-window gamma scintillation probe.

A very sensitive end window scintillation probe designed to provide a cost effective gamma monitor for energies of 50 keV upwards. It has a 25.4 x 25.4 mm NaI(Tl) crystal.

Operating Voltage	650 V DC
Detector Crystal	25.4 x 25.4 mm NaI
Window Weight	35 mg/cm ²
Gamma Sensitivity	300 cps/microSv/hr (¹³⁷ Cs)
Energy Response	50 keV - 2.0 MeV
Housing Connector	MHV
Dimensions	Ø44.5 x 205 mm
Weight	300g
Temperature	-10°C - +50°C
Humidity	Up to 95% RH non-condensing