

ASI 2" x 4" x 16" Detector Data Sheet
Alpha Spectra, Inc.
Grand Junction, Colorado

Detector Model Number:	8D16X64A5/3.5
Detector Style:	Demountable
Crystal Material:	NaI(Tl)
Crystal Dimensions:	2" x 4" x 16" (5.1cm x 10.2cm x 40.6cm)
Volume:	128 cu. in. (2.1 liters)
Crystal Housing:	0.04" thick aluminum crystal housing (also offered in SS)
Photomultiplier:	3.5" demountable (also offered with 2" or 3" PMTs)
Light Shield:	Mu metal
Connectors:	14 pin base
Operating voltage polarity:	Positive
Operating voltage:	750-1100 VDC (typical) 1500 VDC (maximum)
Pulse Height Resolution:	8.0% or better side on at 662 KeV (Cs-137)
Operating temperatures:	40 °F (5 °C) and 120 °F (50 °C); max rate of change not to exceed 15 °F/hr (8 °C/hr)
Operating position:	Any orientation
Options:	CsI(Na) material, integrally mounted voltage divider assembly, stainless steel housing, chrome plated light shield assembly.
Applications:	Homeland security, geophysical surveying, health physics
Notes:	Standard warranty included.



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Please contact Alpha Spectra, Inc. to discuss a custom design if this design does not meet your needs. We offer many different designs.