Detectors Data Sheet: Ruggedized 16D16X64/3.5

Alpha Spectra, Inc.
Grand Junction, Colorado

Detector Model Number: 16D16X64/3.5
Detector Style: Ruggedized Demountable
Crystal Material: NaI(Tl)
Crystal Dimensions: 4” x 4” x 16” (10.2cm x 10.2cm x 40.6cm)
Volume: 256 cu. in. (4.2 liters)
Crystal Housing: 0.018” thick all-welded, evacuated, stainless steel crystal housing
Photomultiplier: 3.5” demountable
Light Shield: Mu metal
Connectors: 14 pin base
Operating voltage polarity: Positive
Operating voltage: 750-1100 VDC (typical) 1500 VDC (maximum)
Pulse Height Resolution: 7.5% 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, aluminum housing.
Applications: Homeland security, geophysical surveying, health physics, environmental surveying
Notes: Standard warranty included.

Models 16D16X64/3.5 shown here.

Please go to our website www.alphaspectra.com for more information about our capabilities. ASI was founded in 1986.