

Specification Datasheet

Spec-RAM Probes

2" x 2" (51 x 51 mm) NaI(Tl) End-On

Scintillation Crystal	NaI(Tl) 51 mm dia. x 51 mm
Detector Length	145 mm
Detector Diameter	59 mm
EM Shield	0.64 mm mu metal
HV Supply	Positive bias from MCA; 600 - 800 Vdc
Operating Temperature	-20 to +65°C
Typical Energy Resolution	7.5 +/- 0.2 % FWHM @662 keV
Energy Range	20 keV - 3 MeV
Gain Stability	<1.0% over 24 hours at 20°C
MCA	1024/2048 Channel, selectable
Weight	663 g

2" x 2" (51 x 51 mm) NaI(Tl) Well

Scintillation Crystal	NaI(Tl) 51 mm dia. x 51 mm 16.6 mm dia. x 39.3 mm well
Detector Length	157 mm
Detector Diameter	59 mm
EM Shield	0.64 mm mu metal
HV Supply	Positive bias from MCA; 600 - 800 Vdc
Operating Temperature	-20 to +65°C
Typical Energy Resolution	7.5 +/- 0.2 % FWHM @662 keV
Energy Range	20 keV - 3 MeV
Gain Stability	<1.0% over 24 hours at 20°C
MCA	1024/2048 Channel, selectable
Weight	684 g

3" x 3" (76 x 76 mm) NaI(Tl) End-On

Scintillation Crystal	NaI(Tl) 76 mm dia. x 76 mm
Detector Length	186 mm
Detector Diameter	82 mm
EM Shield	0.64 mm mu metal
HV Supply	Positive bias from MCA; 600 - 800 Vdc
Operating Temperature	-20 to +65°C
Typical Energy Resolution	7.5 +/- 0.2 % FWHM @662 keV
Energy Range	20 keV - 3 MeV
Gain Stability	<1.0% over 24 hours at 20°C
MCA	1024/2048 Channel, selectable
Weight	1693 g

3" x 3" (76 x 76 mm) NaI(Tl) Well

Scintillation Crystal	NaI(Tl) 76 mm dia. x 76 mm 16.6 mm dia. x 51 mm well
Detector Length	186 mm
Detector Diameter	82 mm
EM Shield	0.64 mm mu metal
HV Supply	Positive bias from MCA; 600 - 800 Vdc
Operating Temperature	-20 to +65°C
Typical Energy Resolution	7.5 +/- 0.2 % FWHM @662 keV
Energy Range	20 keV - 3 MeV
Gain Stability	<1.0% over 24 hours at 20°C
MCA	1024/2048 Channel, selectable
Weight	1779 g