QUALITY ASSURANCE DATA SHEET GMX SERIES GAMMA-X HPGE

(HIGH-PURITY GERMANIUM) COAXIAL PHOTON DETECTOR SYSTEM

MODEL AND SERIAL NUMBERS	IMPORTANT REFERENCE DATA
Detector Model No. GMX-50 220-5	Ship Date 8-7-13
Cryostat Configuration 5V-83	Serial No. 24-N/297
Dewar Model	When calling Customer Service, always
Preamplifier Model <u>A 257N</u>	reference this Detector Serial No.
Preamplifier S/N 13143936	
H.V. Filter Model 138EMI	
H.V. Filter S/N 1.3157886	
Smart-1-N	
Dewar Capacity Static Holding Time	Detector Cool-Down Time Co Aw.
DIMENSIONS	Absorbing Layers
Detector Diameter 64.9 mm	Beryllium <u>0.50</u> mm
Detector Length 57.8 mm	Aluminummm
End Cap to Detector # mm	Inactive Germanium — $0.3~\mu m$
Recommended Operating Bias, NEGATIVE 4000	v
PERFORMANCE SPECIFICATIONS*	Amplifier
Warran	
Resolution (FWHM) at 1.33 MeV, ⁶⁰ Co Peak-to-Compton Ratio, ⁶⁰ Co Relative Efficiency at 1.33 MeV, ⁶⁰ Co Peak Shape (FWTM/FWHM), ⁶⁰ Co Peak Shape (FWFM/FWHM), ⁶⁰ Co	55:/
Resolution (FWHM) at 5.9 keV, ⁵⁵ Fe	eV <u>697</u> eV <u>6</u> μs
*Measured at a nominal rate of 1000 counts/s unless otherwise spec	mea.
Other:	
Data Certified by: Bullow Date: 8-6-13	