

503

High pressure gamma ionization chamber

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	8.59/218.2
MAXIMUM DIAMETER (INCH/MM)	2.0/50.8
EFFECTIVE LENGTH (INCH/MM)	5.63/143.0
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
FILL GAS	Nitrogen
FILL PRESSURE (TORR)	11400
EFFECTIVE VOLUME (CM ³)	160.0
OUTER CASING MATERIAL	Stainless Steel
ANODE CONNECTOR	MHV
CATHODE CONNECTOR	MHV
GUARD CONNECTOR	N/A

OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	500
OPERATING TEMPERATURE RANGE °C	-50 to +100
MAXIMUM OPERATING VOLTAGE (VOLTS)	2000
GAMMA SENSITIVITY (A/R/HR - C060)	1.2E-10
RESISTANCE - HV ELECTRODE TO SHELL (OHMS)	>1.0E12
RESISTANCE - SIGNAL ELECTRODE TO SHELL (OHMS)	>1.0E13

