

50442

High pressure gamma ionization chamber

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	8.0/203.2
MAXIMUM DIAMETER (INCH/MM)	3.5/88.9
EFFECTIVE LENGTH (INCH/MM)	4.5/114.3
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
FILL GAS	Argon + Nitrogen
FILL PRESSURE (TORR)	12768 + 19152
EFFECTIVE VOLUME (CM ³)	400.0
OUTER CASING MATERIAL	Stainless Steel
ANODE CONNECTOR	HN
CATHODE CONNECTOR	HN
GUARD CONNECTOR	N/A

OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1000
OPERATING TEMPERATURE RANGE °C	-50 to +150
MAXIMUM OPERATING VOLTAGE (VOLTS)	2000
GAMMA SENSITIVITY (A/R/HR - CO60)	1.2E-09
RESISTANCE - SIGNAL ELECTRODE TO CATHODE (OHMS)	>1.0E12
INTERNAL TEST SOURCE CURRENT (AMPS)	1 - 5E-11
RESISTANCE - HV ELECTRODE TO CATHODE (OHMS)	>1.0E9

