

50440

High pressure gamma ionization chamber

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	17.38/441.5
MAXIMUM DIAMETER (INCH/MM)	7.0/177.8
EFFECTIVE LENGTH (INCH/MM)	13.75/349.3
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
FILL GAS	Argon + Nitrogen
FILL PRESSURE (TORR)	9272 + 5928
EFFECTIVE VOLUME (CM ³)	5200.0
OUTER CASING MATERIAL	Stainless Steel
ANODE CONNECTOR	HN
CATHODE CONNECTOR	HN
GUARD CONNECTOR	N/A

OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	350
OPERATING TEMPERATURE RANGE °C	-50 to +100
MAXIMUM OPERATING VOLTAGE (VOLTS)	2000
GAMMA SENSITIVITY (A/R/HR - CO60)	6.5E-9
RESISTANCE - SIGNAL ELECTRODE TO CATHODE (OHMS)	>1.0E12
INTERNAL TEST SOURCE CURRENT (AMPS)	1 - 5E-11
RESISTANCE - HV ELECTRODE TO CATHODE (OHMS)	>1.0E9

