

50437

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	Xenon
FILL PRESSURE (TORR)	19000
EFFECTIVE VOLUME (CM ³)	400.0
OUTER CASING MATERIAL	Stainless Steel
ANODE CONNECTOR	MHV
CATHODE CONNECTOR	MHV
GUARD CONNECTOR	N/A

OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1000
OPERATING TEMPERATURE RANGE °C	-50 to +100
MAXIMUM OPERATING VOLTAGE (VOLTS)	3000
GAMMA SENSITIVITY (A/R/HR - CO60)	6.0E-9
RESISTANCE - SIGNAL ELECTRODE TO CATHODE (OHMS)	>1.0E12
RESISTANCE - GUARD ELECTRODE TO CATHODE (OHMS)	>1.0E9
INTERNAL TEST SOURCE CURRENT (AMPS)	1 - 5E-11

