

# 50319

Gamma ionization chamber

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	8.59/218.2
<b>MAXIMUM DIAMETER (INCH/MM)</b>	2.0/50.8
<b>EFFECTIVE LENGTH (INCH/MM)</b>	5.63/143.0
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>FILL GAS</b>	Nitrogen
<b>FILL PRESSURE (TORR)</b>	760
<b>EFFECTIVE VOLUME (CM<sup>3</sup>)</b>	160.0
<b>OUTER CASING MATERIAL</b>	Stainless Steel
<b>ANODE CONNECTOR</b>	MHV
<b>CATHODE CONNECTOR</b>	MHV
<b>GUARD CONNECTOR</b>	N/A

## OPERATING CHARACTERISTICS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	500
<b>OPERATING TEMPERATURE RANGE °C</b>	-50 to +100
<b>MAXIMUM OPERATING VOLTAGE (VOLTS)</b>	2000
<b>GAMMA SENSITIVITY (A/R/HR - C060)</b>	1.2E-11
<b>RESISTANCE - HV ELECTRODE TO SHELL (OHMS)</b>	>1.0E9
<b>RESISTANCE - SIGNAL ELECTRODE TO SHELL (OHMS)</b>	>1.0E13

