

# 520182

End window gamma ionization chamber

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	7.37/187.2
<b>MAXIMUM DIAMETER (INCH/MM)</b>	6.44/163.5
<b>EFFECTIVE LENGTH (INCH/MM)</b>	6.0/152.4
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>FILL GAS</b>	Xenon
<b>FILL PRESSURE (TORR)</b>	2585
<b>ANODE CONNECTOR</b>	#8 - 32 thread
<b>CATHODE CONNECTOR</b>	Solder Lug
<b>GUARD CONNECTOR</b>	Solder Lug
<b>STORAGE TEMPERATURE RANGE (°C)</b>	-40 to 100
<b>MINIMUM SHELF LIFE (YEARS)</b>	2

## WINDOW SPECIFICATIONS

<b>MATERIAL</b>	Aluminum
<b>THICKNESS (INCH/MM)</b>	0.025/0.64
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	6.0/152.4

## OPERATING CHARACTERISTICS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	500
<b>OPERATING TEMPERATURE RANGE °C</b>	25 to 85
<b>MAXIMUM OPERATING VOLTAGE (VOLTS)</b>	1000
<b>GAMMA SENSITIVITY (A/R/HR - CO60)</b>	4.2E-9
<b>GAMMA SENSITIVITY (CS137) (A/R/HR)</b>	6.9E-9
<b>RESISTANCE - SIGNAL ELECTRODE TO GUARD (OHMS)</b>	>1.0E13
<b>RESISTANCE - CATHODE TO GUARD (OHMS)</b>	>1.0E13

