



52026 End Window Beta-Gamma Ionization Chamber**GENERAL SPECIFICATIONS**

Maximum diameter (inch/mm)	3.0/76.2
Maximum length (inch/mm)	4.9/124.4
Effective length (inch/mm)	3.66/92.9
Cathode material	Aluminum
Fill gas	Argon
Fill pressure (torr)	800
Anode connector	#6 - 32 thread
Cathode connector	Solder Lug
Guard connector	Solder Lug
Storage temperature range (°C)	-40 to 100
Minimum shelf life (years)	2

WINDOW SPECIFICATIONS

Material	Beryllium
Thickness (inches/mm)	.005/.127
Effective diameter (inches/mm)	2.71/68.8

OPERATING CHARACTERISTICS

Recommended operating voltage (volts)	500
Maximum operating voltage (volts)	800
Operating temperature range (°C)	25 to 85
Gamma sensitivity (a/R/hr - Co60)	4.5E-11
Gamma sensitivity (Cs137) (a/R/hr)	5.2E-11
Resistance - cathode to guard (ohms)	>1.0E12
Resistance - signal to guard (ohms)	>1.0E14
Resistance - cathode to guard (ohms)	>1.0E12

