

520130

End window beta/gamma ionization chamber

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	4.11/104.3
MAXIMUM DIAMETER (INCH/MM)	3.94/99.9
EFFECTIVE LENGTH (INCH/MM)	3.03/76.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
FILL GAS	Xenon
FILL PRESSURE (TORR)	1800
ANODE CONNECTOR	Threaded Pin
CATHODE CONNECTOR	Solder Pin
GUARD CONNECTOR	Solder Pin
STORAGE TEMPERATURE RANGE (°C)	-40 to +100
MINIMUM SHELF LIFE (YEARS)	2

WINDOW SPECIFICATIONS

MATERIAL	Stainless Steel
THICKNESS (INCH/MM)	0.001 / 0.025
EFFECTIVE DIAMETER (INCH/MM)	3.54/90.0

OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	500
OPERATING TEMPERATURE RANGE °C	25 to 85
MAXIMUM OPERATING VOLTAGE (VOLTS)	800
GAMMA SENSITIVITY (A/R/HR - CO60)	5.6E-10
GAMMA SENSITIVITY (CS137) (A/R/HR)	9.5E-10
RESISTANCE - SIGNAL ELECTRODE TO GUARD (OHMS)	>1.0E13
RESISTANCE - CATHODE TO GUARD (OHMS)	>1.0E12

