

52090

End window beta-gamma ionization chamber

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	5.0/127.0
MAXIMUM DIAMETER (INCH/MM)	4.5/114.3
EFFECTIVE LENGTH (INCH/MM)	3.87/98.3
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
FILL GAS	Xenon
FILL PRESSURE (TORR)	2280
ANODE CONNECTOR	Flying Lead
CATHODE CONNECTOR	Solder Lug
GUARD CONNECTOR	Flying Lead
STORAGE TEMPERATURE RANGE (°C)	-20 to +75
MINIMUM SHELF LIFE (YEARS)	2

WINDOW SPECIFICATIONS

MATERIAL	Stainless Steel
THICKNESS (INCH/MM)	0.002/0.051
EFFECTIVE DIAMETER (INCH/MM)	4.0/101.6

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)	1.25E-9
GAMMA SENSITIVITY (CS137) (A/R/HR)	2.0E-9
RESISTANCE - SIGNAL ELECTRODE TO GUARD (OHMS)	>1.0E13
RESISTANCE - CATHODE TO GUARD (OHMS)	>1.0E13