

52102

Gamma ionization chamber

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.1/154.9
MAXIMUM DIAMETER (INCH/MM)	0.63/16.0
EFFECTIVE LENGTH (INCH/MM)	3.38/85.9
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
FILL GAS	Propane
FILL PRESSURE (TORR)	585
EFFECTIVE VOLUME (CM ³)	17.0
OUTER CASING MATERIAL	N/A
ANODE CONNECTOR	Flying Lead
CATHODE CONNECTOR	Flying Lead
GUARD CONNECTOR	Flying Lead

OPERATING CHARACTERISTICS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1500
OPERATING TEMPERATURE RANGE °C	-50 to +100
MAXIMUM OPERATING VOLTAGE (VOLTS)	3000
GAMMA SENSITIVITY (A/R/HR - CO60)	3.5E-11
GAMMA SENSITIVITY (CS137) (A/R/HR)	1.0E-10
GAMMA FLUX RANGE (R/HR)	1.0E-3 - 1.0E3
RESISTANCE - SIGNAL ELECTRODE TO GUARD (OHMS)	>1.0E13
RESISTANCE - HV ELECTRODE TO GUARD (OHMS)	>1.0E13

