

50413

Neutron sensitive ionization chamber

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	17.25/438.1
MAXIMUM DIAMETER (INCH/MM)	7.0/177.8
GAS FILLING	Hydrogen
EFFECTIVE LENGTH (INCH/MM)	13.85/349.3
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
FILL PRESSURE (TORR)	13680
EFFECTIVE VOLUME (CM ³)	5200.0
OUTER CASING MATERIAL	Stainless Steel
ANODE CONNECTOR	MHV
CATHODE CONNECTOR	MHV
GUARD CONNECTOR	MHV

OPERATING CHARACTERISTICS

OPERATING TEMPERATURE RANGE °C	-50 to +100
NEUTRON SENSITIVITY (AMPS/NV)	3.5E-14
MAXIMUM OPERATING VOLTAGE (VOLTS)	2000
GAMMA SENSITIVITY (A/R/HR - CO60)	1.2E-9
RESISTANCE - HV ELECTRODE TO SHELL (OHMS)	>1.0E9
RESISTANCE - SIGNAL ELECTRODE TO SHELL (OHMS)	>1.0E12

