

252152

He-3 Neutron Detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	7.35/186.7
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	5.16/131.0
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.38
CONNECTOR	MHV
OPERATING TEMPERATURE RANGE °C	-25 to +150
GAS PRESSURE (TORR)	3800
EFFECTIVE VOLUME (CM³)	61.17

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1000
OPERATING VOLTAGE RANGE (VOLTS)	800 - 1200

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	200
MAXIMUM RESOLUTION (% FWHM)	7

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	22.0
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