

25143

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.24/158.4
MAXIMUM DIAMETER (INCH/MM)	0.50/12.7
EFFECTIVE LENGTH (INCH/MM)	4.0/101.6
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.45/11.4
CONNECTOR	MHV
GAS PRESSURE (TORR)	15200
EFFECTIVE VOLUME (CM³)	10.42

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1400
OPERATING VOLTAGE RANGE (VOLTS)	1300-1550
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1

TUBE CAPACITANCE (PF)	4
MAXIMUM RESOLUTION (% FWHM)	6

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	8.1
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