

250

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	51.13/1298.7
MAXIMUM DIAMETER (INCH/MM)	0.75/19.05
EFFECTIVE LENGTH (INCH/MM)	1.13/28.7
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.25/6.35
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	3040
EFFECTIVE VOLUME (CM³)	2.10

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	850
OPERATING VOLTAGE RANGE (VOLTS)	700 - 1000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	55
WEIGHT (GRAMS)	454
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.4
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