

252

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	11.20/284.5
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	8.0/203.2
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
EFFECTIVE DIAMETER (INCH/MM)	0.93/23.62
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	3040
EFFECTIVE VOLUME (CM³)	89.01

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1150
OPERATING VOLTAGE RANGE (VOLTS)	1050 - 1400

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	142
MAXIMUM RESOLUTION (% FWHM)	6

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	28.0
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