

25019

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	3.00/76.2
MAXIMUM DIAMETER (INCH/MM)	0.38/9.5
EFFECTIVE LENGTH (INCH/MM)	1.18/30.0
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.26/6.60
CONNECTOR	Flying Lead
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	7600
EFFECTIVE VOLUME (CM³)	1.03

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	850
OPERATING VOLTAGE RANGE (VOLTS)	750 - 1000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	30
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.6
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