

25193

Cylindrical He3 Neutron Detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	3.00/76.2
MAXIMUM DIAMETER (INCH/MM)	0.75/19.05
EFFECTIVE LENGTH (INCH/MM)	1.5/38.1
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.71/18.03
CONNECTOR	Pin
OPERATING TEMPERATURE RANGE °C	-25 to +150
GAS PRESSURE (TORR)	7600
EFFECTIVE VOLUME (CM³)	9.73

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1050
OPERATING VOLTAGE RANGE (VOLTS)	950-1200

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	25
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	5.3
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