

25192

Cylindrical He3 Neutron Detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	7.43/188.7
MAXIMUM DIAMETER (INCH/MM)	0.81/20.6
EFFECTIVE LENGTH (INCH/MM)	6.04/153.4
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.786/19.96
CONNECTOR	Pin
OPERATING TEMPERATURE RANGE °C	-25 to +150
GAS PRESSURE (TORR)	7292.2
EFFECTIVE VOLUME (CM³)	48.0

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1000
OPERATING VOLTAGE RANGE (VOLTS)	900 - 1150

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	41
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	28.0
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