

25183

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	2.09/53.1
MAXIMUM DIAMETER (INCH/MM)	0.75/19.1
EFFECTIVE LENGTH (INCH/MM)	0.70/17.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.71/18.0
CONNECTOR	Pin
OPERATING TEMPERATURE RANGE °C	-40 to +80
GAS PRESSURE (TORR)	7600
EFFECTIVE VOLUME (CM³)	4.5

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1080
OPERATING VOLTAGE RANGE (VOLTS)	980-1200

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	85
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	N/A
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