

25128

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.45/163.83
MAXIMUM DIAMETER (INCH/MM)	0.75/19.05
EFFECTIVE LENGTH (INCH/MM)	5.0/127.0
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.71/18.03
CONNECTOR	Flying Lead
OPERATING TEMPERATURE RANGE °C	-25 to +150
GAS PRESSURE (TORR)	2172
EFFECTIVE VOLUME (CM³)	32.42

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	700
OPERATING VOLTAGE RANGE (VOLTS)	600 - 850

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	3
WEIGHT (GRAMS)	100
MAXIMUM RESOLUTION (% FWHM)	6

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	7.6
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