

2522

Cylindrical he3 time of flight neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	9.34/237.24
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	6.0/152.4
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.38
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	8360
EFFECTIVE VOLUME (CM³)	71.13

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	4600
OPERATING VOLTAGE RANGE (VOLTS)	4400 - 5000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	213
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	35.0
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