

2521

Cylindrical he3 time of flight neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	13.55/344.17
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	10.0/254.0
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)	7600
EFFECTIVE VOLUME (CM³)	118.55

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	3500
OPERATING VOLTAGE RANGE (VOLTS)	3300 - 3800

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	285
MAXIMUM RESOLUTION (% FWHM)	8

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	56.0
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