

2523

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	15.55/394.97
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	12.0/304.8
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)	142.26

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	4000
OPERATING VOLTAGE RANGE (VOLTS)	3000 - 5000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	420
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	67.0
----------------------	------

