

25124

Cylindrical he3 time of flight neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	14.02/356.11
MAXIMUM DIAMETER (INCH/MM)	0.5/12.7
EFFECTIVE LENGTH (INCH/MM)	12.0/304.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
EFFECTIVE DIAMETER (INCH/MM)	0.4/10.16
CONNECTOR	Flying Lead
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	8786
EFFECTIVE VOLUME (CM³)	24.7

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1750
OPERATING VOLTAGE RANGE (VOLTS)	1650 - 1900

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	50
MAXIMUM RESOLUTION (% FWHM)	6

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	15.0
----------------------	------

