

25138

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	10.06/255.52
MAXIMUM DIAMETER (INCH/MM)	0.5/12.70
EFFECTIVE LENGTH (INCH/MM)	8.0/203.2
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
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)	16.47

ELECTRICAL SPECIFICATIONS

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

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	8
MAXIMUM RESOLUTION (% FWHM)	7

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	16.0
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