

25185

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	2.44/61.9
MAXIMUM DIAMETER (INCH/MM)	0.63/16.0
EFFECTIVE LENGTH (INCH/MM)	0.94/23.88
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.61/15.49
CONNECTOR	Flying Lead
OPERATING TEMPERATURE RANGE °C	-40 to +80
GAS PRESSURE (TORR)	1520
EFFECTIVE VOLUME (CM³)	4.5

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	750
OPERATING VOLTAGE RANGE (VOLTS)	650 - 900

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	4
WEIGHT (GRAMS)	85
MAXIMUM RESOLUTION (% FWHM)	25

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	0.6
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