

270114

Spherical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.3/160.1
MAXIMUM DIAMETER (INCH/MM)	4.1/104.1
EFFECTIVE LENGTH (INCH/MM)	2.98/75.69
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	4.0/101.6
CONNECTOR	SHV
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	4985.6
EFFECTIVE VOLUME (CM³)	549

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1880
OPERATING VOLTAGE RANGE (VOLTS)	1780 - 2050

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	10
WEIGHT (GRAMS)	500
MAXIMUM RESOLUTION (% FWHM)	20

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	N/A
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