

25141

Cylindrical he3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	6.64/168.66
MAXIMUM DIAMETER (INCH/MM)	0.63/16.0
EFFECTIVE LENGTH (INCH/MM)	5.14/130.56
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.61/15.49
CONNECTOR	Flying Lead
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	2666.7
EFFECTIVE VOLUME (CM³)	24.6

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	630
OPERATING VOLTAGE RANGE (VOLTS)	500 - 800

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	90
MAXIMUM RESOLUTION (% FWHM)	6

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	5.2
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