

# 25311

Cylindrical he3 neutron spectrometry detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	8.25/209.55
<b>MAXIMUM DIAMETER (INCH/MM)</b>	2.0/50.8
<b>EFFECTIVE LENGTH (INCH/MM)</b>	6.0/152.4
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	1.88/47.75
<b>CONNECTOR</b>	MHV
<b>OPERATING TEMPERATURE RANGE °C</b>	-50 to +100
<b>GAS PRESSURE (TORR)</b>	4560
<b>EFFECTIVE VOLUME (CM<sup>3</sup>)</b>	272.8

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	1650
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	1550 - 1800

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	7
WEIGHT (GRAMS)	300
MAXIMUM RESOLUTION (% FWHM)	6

## THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	72.0
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