

# 25163

Cylindrical he3 neutron detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	6.84/173.8
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.50/12.7
<b>EFFECTIVE LENGTH (INCH/MM)</b>	4.0/101.6
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.45/11.4
<b>CONNECTOR</b>	SHV
<b>GAS PRESSURE (TORR)</b>	15200
<b>EFFECTIVE VOLUME (CM<sup>3</sup>)</b>	10.42

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	1400
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	1300-1550
<b>MAXIMUM PLATEAU SLOPE (%/100 VOLTS)</b>	1

TUBE CAPACITANCE (PF)	4
MAXIMUM RESOLUTION (% FWHM)	6

## THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	8.1
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