

# 25275

Cylindrical he3 neutron detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	13.38/339.85
<b>MAXIMUM DIAMETER (INCH/MM)</b>	1.0/25.4
<b>EFFECTIVE LENGTH (INCH/MM)</b>	10.0/254.0
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.96/24.38
<b>CONNECTOR</b>	HN
<b>OPERATING TEMPERATURE RANGE °C</b>	-50 to +100
<b>GAS PRESSURE (TORR)</b>	7600
<b>EFFECTIVE VOLUME (CM<sup>3</sup>)</b>	118.55

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	1800
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	1700 - 2000

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
MAXIMUM RESOLUTION (% FWHM)	10

## THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	56.0
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