

27539

Quadrilateral he3 detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	7.14/181.4
<b>GAS FILLING</b>	He3/CO2/Argon
<b>EFFECTIVE LENGTH (INCH/MM)</b>	4.13/105.0
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>CONNECTOR</b>	SHV
<b>OPERATING TEMPERATURE RANGE °C</b>	-50 to +100
<b>EFFECTIVE DEPTH (INCH/MM)</b>	0.75/19.1
<b>MAXIMUM WIDTH (INCH/MM)</b>	4.39/111.6
<b>MAXIMUM DEPTH (INCH/MM)</b>	1.0/25.4
<b>GAS PRESSURE (TORR)</b>	760
<b>EFFECTIVE WIDTH (INCH/MM)</b>	4.13/105.0

## ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	750
OPERATING VOLTAGE RANGE (VOLTS)	650 - 900
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	3
TUBE CAPACITANCE (PF)	8
MAXIMUM RESOLUTION (% FWHM)	10

## THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	N/A
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