

# 263

Quadrilateral he3 detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	15.16/385.06
<b>EFFECTIVE LENGTH (INCH/MM)</b>	12.0/304.8
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Aluminum
<b>CONNECTOR</b>	HN
<b>OPERATING TEMPERATURE RANGE °C</b>	-50 to +100
<b>MAXIMUM WIDTH (INCH/MM)</b>	2.0/50.8
<b>GAS PRESSURE (TORR)</b>	3040
<b>EFFECTIVE VOLUME (CM<sup>3</sup>)</b>	602.33
<b>EFFECTIVE WIDTH (INCH/MM)</b>	1.75/44.45

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	1300
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	1150 - 1500

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	567
MAXIMUM RESOLUTION (% FWHM)	10

## THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	147.5
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