

# 224

Quadrilateral bf3 detector

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	15.23/386.84
<b>EFFECTIVE LENGTH (INCH/MM)</b>	12.0/304.8
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	Stainless Steel
<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>	400
<b>EFFECTIVE VOLUME (CM<sup>3</sup>)</b>	539.8
<b>EFFECTIVE WIDTH (INCH/MM)</b>	1.87/47.5

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	1400
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	1200 - 1600

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	2
TUBE CAPACITANCE (PF)	8
WEIGHT (GRAMS)	766
MAXIMUM RESOLUTION (% FWHM)	20

## THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	12.4
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