

202119

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	13.78/350.0
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Stainless Steel
EFFECTIVE DIAMETER (INCH/MM)	0.96/24.38
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	600
CONNECTOR	HN
EFFECTIVE VOLUME (CM ³)	137
EFFECTIVE LENGTH (INCH/MM)	10.46/265.7

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1625
OPERATING VOLTAGE RANGE (VOLTS)	1525-1775

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	7
WEIGHT (GRAMS)	175
MAXIMUM RESOLUTION (% FWHM)	10

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	4.00
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