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Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	12.13/308.10
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	8.13/206.5
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
EFFECTIVE DIAMETER (INCH/MM)	0.93/23.62
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	-50 to +100
GAS PRESSURE (TORR)	400
EFFECTIVE VOLUME (CM ³)	90.45

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1350
OPERATING VOLTAGE RANGE (VOLTS)	1250 - 1500

MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
TUBE CAPACITANCE (PF)	7
WEIGHT (GRAMS)	142
MAXIMUM RESOLUTION (% FWHM)	8

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	2.08
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