

2025

Cylindrical bf3 neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	12.0/304.8
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
EFFECTIVE LENGTH (INCH/MM)	8.0/203.20
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)	550
EFFECTIVE VOLUME (CM ³)	89.01

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1500
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1

TUBE CAPACITANCE (PF)	7
WEIGHT (GRAMS)	142
MAXIMUM RESOLUTION (% FWHM)	10
OPERATING VOLTAGE RANGE (VOLTS)	1400 - 1650

THERMAL NEUTRON SENSITIVITY

SENSITIVITY (CPS/NV)	5.6
----------------------	-----

