

25229

Position sensitive neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	16.75/425.5
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
GAS FILLING	He3
EFFECTIVE LENGTH (INCH/MM)	12.0/304.8
CATHODE MATERIAL (INTERNAL/EXTERNAL)	Aluminum
EFFECTIVE DIAMETER (INCH/MM)	0.93/23.62
CONNECTOR	HN
OPERATING TEMPERATURE RANGE °C	+10 to +50
GAS PRESSURE (TORR)	3040
EFFECTIVE VOLUME (CM ³)	144

ANODE SPECIFICATIONS

MATERIAL	REDI OHM 800
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EFFECTIVE LENGTH (INCH/MM)	12.0/304.8
DIAMETER (INCH/MM)	0.00045/0.011
RESISTANCE (OHMS/INCH)	330.0

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1000
OPERATING VOLTAGE RANGE (VOLTS)	900 - 1150
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
THERMAL NEUTRON SENSITIVITY (CPS/NV)	68
MAXIMUM RESOLUTION (% FWHM)	10
POSITION RESOLUTION (MM)	2

