

25241

Position sensitive neutron detector

GENERAL SPECIFICATIONS

MAXIMUM LENGTH (INCH/MM)	24.4/620.3
MAXIMUM DIAMETER (INCH/MM)	1.0/25.4
GAS FILLING	He3 + Ar
EFFECTIVE LENGTH (INCH/MM)	19.69/500.1
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)	3800 + 3800
EFFECTIVE VOLUME (CM ³)	234

ANODE SPECIFICATIONS

MATERIAL	REDI OHM 800
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EFFECTIVE LENGTH (INCH/MM)	19.69/500.1
DIAMETER (INCH/MM)	0.00045/0.011
RESISTANCE (OHMS/INCH)	330.0

ELECTRICAL SPECIFICATIONS

RECOMMENDED OPERATING VOLTAGE (VOLTS)	1300
OPERATING VOLTAGE RANGE (VOLTS)	1200 - 1450
MAXIMUM PLATEAU SLOPE (%/100 VOLTS)	1
THERMAL NEUTRON SENSITIVITY (CPS/NV)	139
MAXIMUM RESOLUTION (% FWHM)	10
POSITION RESOLUTION (MM)	2

