

3He tube characteristics

Founded 1964
LND, INC.
 3230 LAWSON BLVD., OCEANSIDE, NEW YORK 11572
 E-mail: info@lndinc.com Web Site: <http://www.lndinc.com>
 1-516-678-6141 Fax: 1-516-678-6704
 Designers & Manufacturers of Nuclear Radiation Detectors

252248 Cylindrical He3 Neutron Detector

GENERAL SPECIFICATIONS

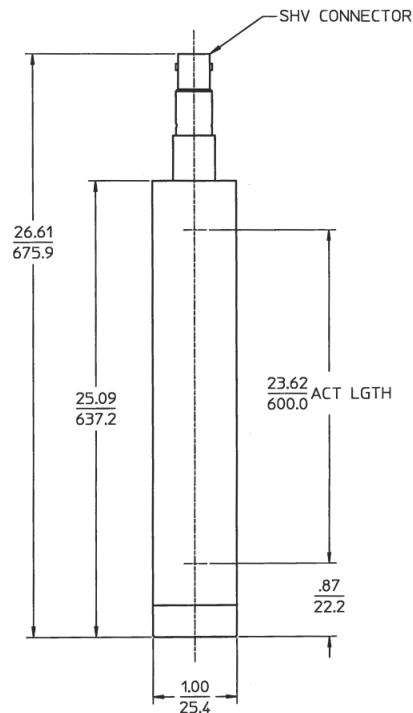
Gas pressure (torr)	
Cathode material	Stainless Steel
Maximum length (inch/mm)	26.61/675.9
Effective length (inch/mm)	23.62/600.0
Maximum diameter (inch/mm)	1.0/25.4
Effective diameter (inch/mm)	0.96/24.38
Connector	SHV
Effective volume (cm ³)	142.26
Operating temperature range °C	-50 to +100

ELECTRICAL SPECIFICATIONS

Recommended operating voltage (volts)	
Operating voltage range (volts)	
Maximum plateau slope (% / 100 volts)	1
Maximum resolution (% fwhm)	7
Tube capacitance (pf)	8
Weight (grams)	375

THERMAL NEUTRON SENSITIVITY

Sensitivity (cps / nv)	665
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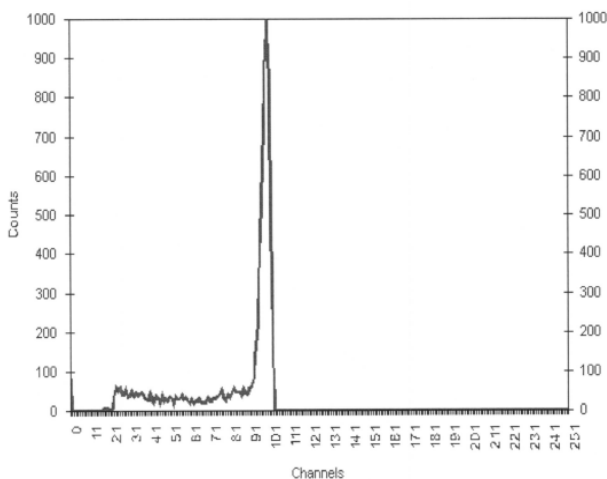


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Cust P.O.# 4500099484
 Tube Type 252266
 Serial Number 387534
 Oper Volts 916
 Volt Range 1320 - 1570
 FWHM 4.68

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LND Job# 10818-00
 Source Pu-Be
 Plateau Slope(%/100V) ≤3
 Pulse Height(Volts) 1mV
 Charge/Pulse 1.0E-13
 Date 12/21/10



Gas Filling He3, Co2
 Gas Press(Torr) 7600
 Connector Type SHV

Entrance Window
 Window Material N/A
 Areal Density(mg/cm²) N/A
 Thickness(inches/mm) N/A

Exit Window
 Window Material N/A
 Areal Density(mg/cm²) N/A
 Thickness(inches/mm) N/A