



### 25185 Cylindrical He3 Neutron Detector

#### GENERAL SPECIFICATIONS

Gas pressure (torr)	1520
Cathode material	Stainless Steel
Maximum length (inch/mm)	2.44/61.9
Effective length (inch/mm)	0.94/23.88
Maximum diameter (inch/mm)	0.63/16.0
Effective diameter (inch/mm)	0.61/15.49
Connector	Flying Lead
Effective volume (cm <sup>3</sup> )	4.5
Operating temperature range °C	-40 to +80

#### ELECTRICAL SPECIFICATIONS

Recommended operating voltage (volts)	750
Operating voltage range (volts)	650 - 900
Maximum plateau slope ( % / 100 volts )	3
Maximum resolution ( % fwhm)	25
Tube capacitance (pf)	4
Weight (grams)	85

#### THERMAL NEUTRON SENSITIVITY

Sensitivity (cps / nv)	0.6
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