

Neutron Beam Monitor -with new electronics



Specifications

Active area:	Custom designed beam size
Total thickness	~22mm
Window thickness:	0.5mm
Detector Output:	female SHV BNC
Electronic Output:	TTL / 50ohm
Electronic Characteristic:	HV 0.4kV ; Gain ~ 1pC / V
Gas filling:	^3He or N_2 at ultra low pressure + CF_4 + ^4He at 1bar
Gas Connector:	swagelok QC series
Detection efficiency:	10^{-6} to 10^{-3} (0.025eV/1.8Å).
Dead Time:	< 1μsec
Counter:	Programmable

Beam Monitors



Description:

Neutron Beam Monitor is a multi wire proportional neutron counter with high transparency to neutrons of 0.025eV.

All aluminium body with low gamma sensitivity.

Built-in HV supply and amplifier with discriminator.