

Technical specifications

Two-dimensional position-sensitive detector of thermal neutrons

<i>Convertor gass</i>	3He
<i>Active area</i>	200 x 200 mm ²
<i>Front window thickness</i>	Al ≤ 7 mm
<i>Encoding method</i>	delay line
<i>Spatial resolution</i>	< 2.5 x 2.5 mm ²
<i>Detection depth</i>	< 30 mm
<i>Max. count rate</i>	1 MHz
<i>Efficiency at wavelength 0.2 nm</i>	> 60 %
<i>Homogeneity (counts measured with an isotropic scatterer and integrated along horizontal or vertical direction)</i>	
<i>Max. deviation from average</i>	+/- 5%
<i>Std. deviation</i>	< 2%
<i>Stability</i>	< 2% / day

Other demands

- warranty and post-warranty service including of 3He refilling if necessary
- detector installation in NPI and detector test at delivery