

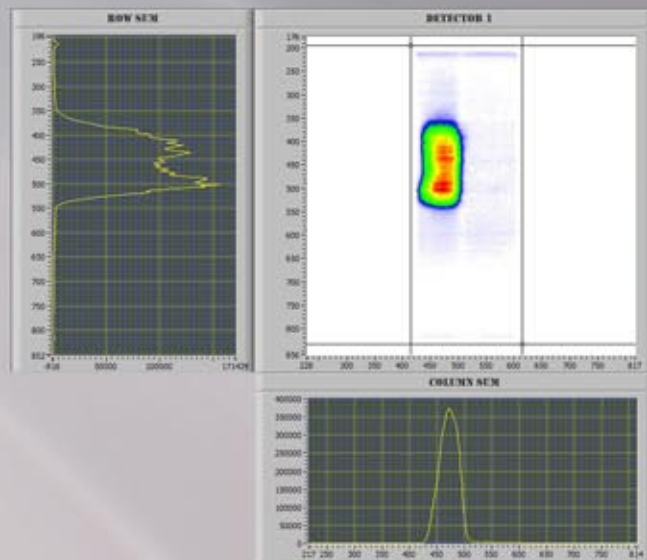
# Position Sensitive Neutron Beam Monitor

## MIRROTRON MODEL MR-200/65-PSBM

### Description:

The Neutron Beam Monitor Model MR-200 / 65-PSBM is a multiwire proportional counter with high transparency to neutrons of 0.025eV. The position of the neutron events is encoded by delay-line. All aluminium body, with low gamma sensitivity.

Direct beam measurement on BNC Athos monochromatic beam: the parallel monochromatic crystals are observable on the 2D image



### Specifications:

Overall dimensions:	270 mm x 190 mm x 45 mm
Active area:	200 mm x 65 mm
Window thickness:	0.5 mm - 2 mm (depends on gas pressure)
Gas filling:	$^3\text{He}$ at ultra low pressure or $\text{N}_2+\text{CF}_4+4\text{He}$
Position resolution	$<1.8 \text{ mm} \times 1.8 \text{ mm}$ (FWHM)
Gas connector:	Swagelok QC series
Detection efficiency:	$10^{-5}$ to $10^{-3}$ (0.025eV/ $1.8\text{\AA}$ ). Order of magnitude to be specified when ordering

