

Specification

Model	Detector Sensitive Area		Energy Resolution on 5.9 keV
	Diameter, mm	Area, mm ²	
SXRD - 04 140	4	12.5	140
SXRD - 05 150	5	20	150
SXRD - 06 155	6	30	155
SXRD - 08 160	8	50	160
SXRD - 12 175	12	100	175
SXRD - 16 195	16	200	195
SXRD - 25 300	25	500	300



SiLi X-ray Detectors SXRD

(Liquid Nitrogen cooled)

Application

Detectors are applied for X-rays registration in X-ray fluorescence and X-ray diffraction analysis devices, in laboratory measurements etc.

Complete set

- Si(Li) semiconductor detector SXRD
- Pre-amplifier with cooling input stage
- Digital or Analog-Digital Multichannel Analyzer
- Analytical software for quantitative and qualitative analysis
- Different cryostat modifications are available
- Dewar vessel

Features

- Possibility of choosing a pre-amplifier type with resistive or opto-electronic feedback
- High energy resolution
- High count rate - 500 MeV/s and ability to increase it up to 1000 MeV/s
- Thin Be windows, possibility to install ultra-thin polyimide windows
- Detection of radiation in any spatial orientation depending on cryostat modification
- Manufacture in variable cryostat design is possible

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