

Specification

Parameter	Value
Energy range, keV	1 - 60
Detector sensitive area, mm ²	20*
Energy resolution at 5.9 keV, eV	
at shaping time constant 16 μ s	138
at shaping time constant 1 μ s	268
at count rate 10 ⁵ cps and shaping time constant 1 μ s	275
Peak to background ration	4000
Time of cooling after filling with liquid nitrogen, h	3
Ambient temperature, °C	+5 to +38
Operation mode	Continuous
Spatial orientation of detection unit	Any
Voltage, V / frequency, Hz	200 / 50-60
Power Supply, W	60
Overall dimensions	
Detection Unit, mm	80 x 135 x 150
Compressor, mm	140 x 160 x 300
Weight	
Detection Unit, kg	1.8
Compressor, kg	7.5



X-ray SiLi Detectors ELSiX (Electrically cooled)

Application

The X-ray SiLi detector with electric cooling is designed for X-ray fluorescence analyzers, X-ray diffractometers and X-ray spectrometers, where detector cooling by liquid nitrogen is undesirable or impractical.

Complete set

- SiLi detector
- Compressor unit
- Connecting gas lines

Accessories

- Digital or Analog-Digital Multi Channel Analyzer
- Software package

Features

- No liquid nitrogen
- High energy resolution
- Thin Be windows with rust-proofing
- Allows for any spatial orientation of detection unit

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Any spatial orientation

