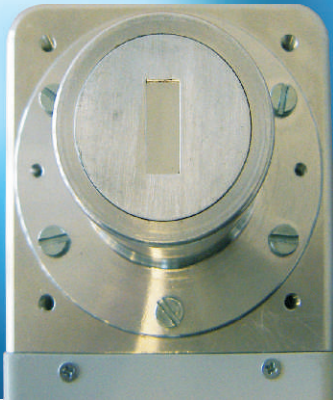


Specification

Parameter	Value
Energy range, keV	1 - 60
Detector sensitive area, mm ²	20*
Energy resolution for 20 mm ² sensitive area detector, eV at energy	
5.9 keV	180
59.6 keV	450
Integral nonlinearity, %	0.05
Peak to background ration	2500
Time instability during 8 hours of continuous work, %	0.05
Input count rate, pulse/s	1.5 x 10 ⁵
Dimensions of detection unit, mm	Ø90 x 210
Dimensions of Multi Channel Analyzer, mm	300 x 180 x 80
Weight of detection unit, kg	2
Weight of Multi Channel Analyzer, kg	2.8
Power consumption, W	100
Power Supply, V	220
Frequency, Hz	50

* Detectors with 20 - 100 mm² sensitive area are available



SiLi X-ray Spectrometers

(Peltier cooled)

Application

Detection, accumulation and processing of X-ray spectra when detector cooling by liquid nitrogen is inconvenient or impossible.

Complete set

- Detection unit with SiLi detector and Peltier cooler
- Multi Channel Analyzer with power supplies
- Self-contained unit for water cooling the Peltier cooler hot seal
- PC with MCA emulation software package

Features

- Thermoelectric cooling of detector and input stage of preamplifier, thin Be window, possibility of installing ultra-thin polyamide windows
- Encapsulated hermetically sealed case for the detection unit
- Detection of radiation in any spatial orientation
- Closed-loop system of water cooling using Peltier cooler hot seal
- Mobile spectrometer with power supply from car accumulator is available

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