



# Specification



## Flowing HPGe Spectrometer (Liquid Nitrogen cooled)

### Application

Highly efficient control of radionuclide materials with low activity in on-line mode (fresh fuel rods, liquid and gas flows)

### Complete set

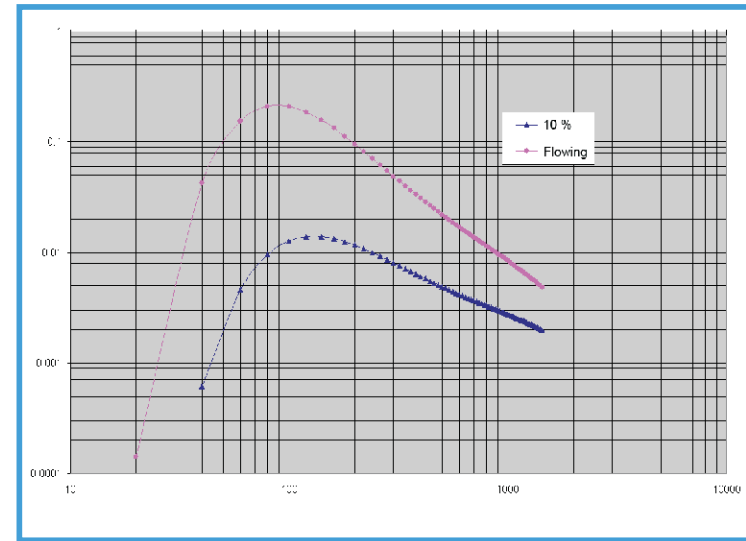
- Spectrometer based on HPGe flowing coaxial detector
- Digital or Analog-digital Spectrometric Device
- Software package

### Features

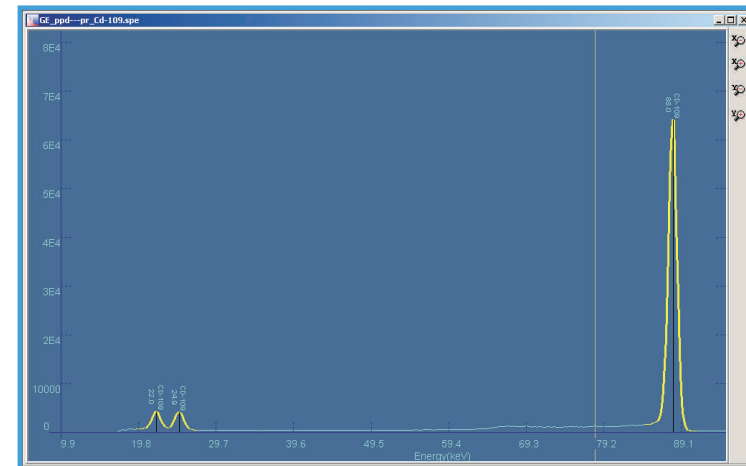
- Detection unit performs 4 $\pi$  geometry measurements as measuring product is moving inside germanium detector
- Radionuclide efficiency registration is dozen times higher than efficiency registration of standard coaxial detection unit of the same dimensions
- HPGe detector flowing geometry can be developed based on the crystal with equivalent efficiency from 10% to 100%

Baltic Scientific Instruments  
Ganibu Dambis 26  
P.O. box 33, Riga  
LV - 1005, Latvia

Phone: (+371) 67383947  
Fax: (+371) 67382620  
Email: sales@bsi.lv  
www.bsi.lv



Absolute efficiency registration comparison curves during gamma-emitting sample positioning inside and outside detector



Spectrum of wire sample containing source <sup>109</sup>Cd of low activity