

Specification

Parameter	Value
HPGe detector relative efficiency	45 %*
Energy resolution	
at 5.9 keV	< 500 eV
at 14.4 keV	< 650 eV
at 122 keV	< 700 eV
at 1.33 MeV	< 1900 eV
Peak to Compton ratio	60 : 1
Energy range of detector operation	3 keV – 3 MeV
Peak shape	
FWTM/FWHM	< 2
FW.02M/FWHM	< 3
Endcap window material	Carbon fibre

* Other detector types and relative efficiencies are available.



Whole body counter WBC HPGe detector based

Complete set

- Spectrometer:
- One, two or more HPGe detectors (scintillation detectors optional)
 - Multichannel analyzers MCA (or one MCA with multiple input channels)
 - Analytical software for quantitative and qualitative analysis
 - Liquid nitrogen monitors (in case detectors are cooled with LN2)
 - Automatic filling station with LN2 (in case detectors are cooled with LN2)

- Main assembly:
- Steel Fixing platform
 - Detectors holders and positioning mechanisms
 - Ergonomic chair with hydraulic mechanism for changing position of the body
 - Crate for electronics

Related cables and connectors

Features

- Quantitative and qualitative analysis using high-resolution HPGe detectors (GCDX-OS suggested)
- Adjustable to measure any part of the body
- Comfortable for the examined person
- Available with one or multiple HPGe detectors
- HPGe detectors can be LN2 or electrically cooled
- Option: available with scintillation detectors like NaI, LaBr, SrI, etc.
- Simple and intuitive software interface
- Automatic filling station for LN2 (in case detectors are cooled with LN2)

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