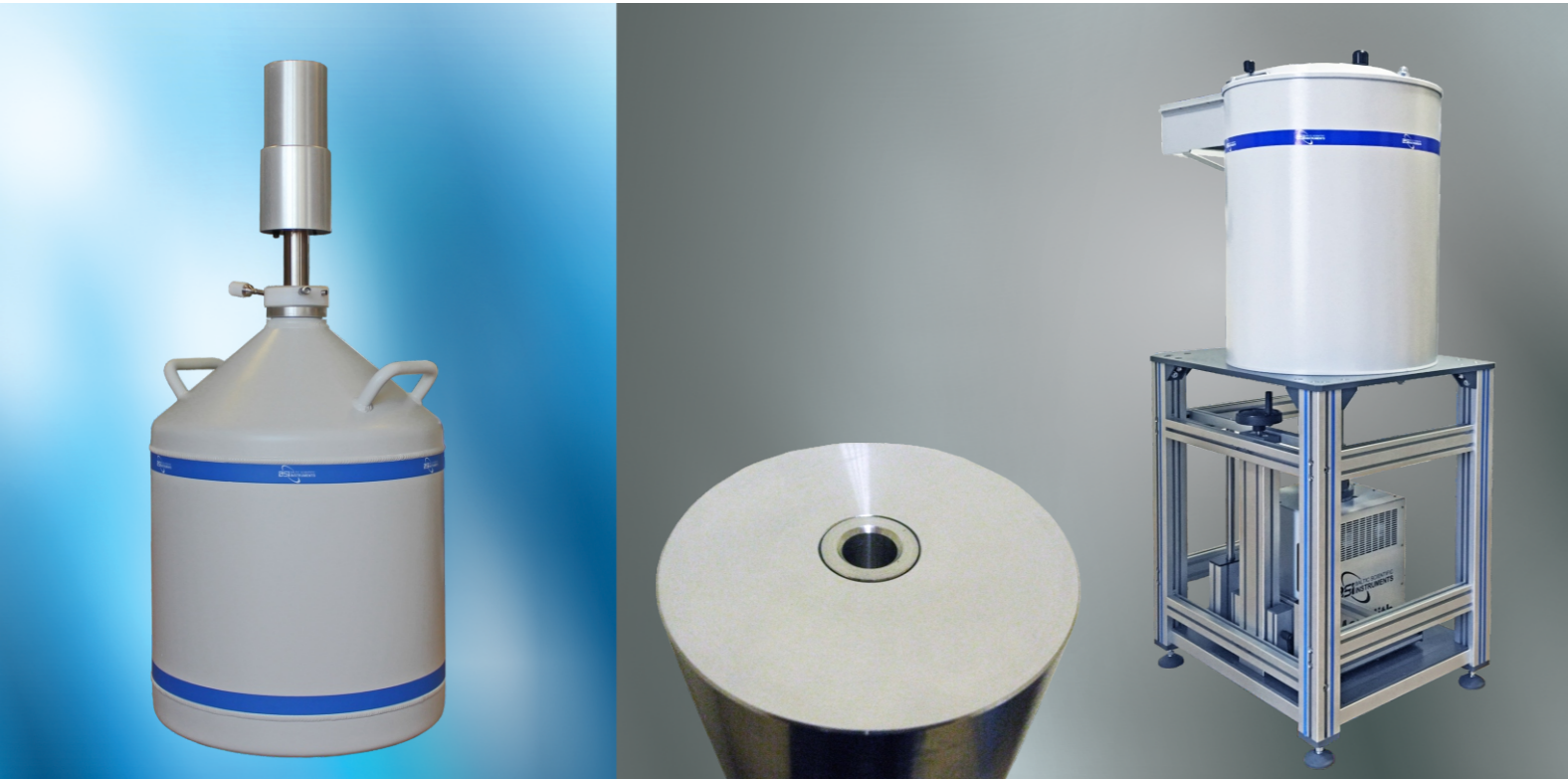




Specification



Model	Well diameter	Nominal volume (cc)	Energy Resolution	
			FWHM 122 keV	FWHM 1332 keV
GWDX - 15 20	10	90	0.75	2.0
GWDX - 15 22	16	100	0.8	2.2
GWDX - 20 20	10	110	0.75	2.0
GWDX - 20 22	16	120	0.8	2.2
GWDX - 25 22	10	130	0.75	2.2
GWDX - 25 23	16	140	0.8	2.3
GWDX - 30 22	10	150	0.8	2.2
GWDX - 30 23	16	160	0.85	2.3
GWDX - 35 22	10	170	0.75	2.2
GWDX - 35 23	16	180	0.8	2.3
GWDX - 40 22	10	190	0.75	2.2
GWDX - 40 23	16	200	0.8	2.3
GWDX - 60 23	10	280	0.8	2.3
GWDX - 70 24	10	360	0.8	2.4
GWDX- 70 24	16	360	0.85	2.4

* Detectors with other parameters are available.

Well-type HPGe Detectors GWDX (Liquid Nitrogen cooled)

Application

Detection of Gamma-rays in nuclear energetics and environmental control, in industry and scientific research, in nuclear medicine and other applications.

Complete set (standard)

- HPGe Well-type detector
- Preamplifier with cooled input stage
- Dewar vessel
- Cable set
- Documentation

Accessories (optional)

- Multichannel Analyzer (Digital or Analog-Digital)
- Analytical Software packages:
 - quantitative and qualitative analysis
 - γ -spectra modeling & efficiency registration calculation for complex geometry objects
 - extended radionuclide library
- Lead Shielding for cutting background
- Liquid nitrogen storage and filling system
- Liquid nitrogen sensor and monitor
- Cable set extension

ADVANTAGES

- Detection of Gamma-rays in nuclear energetics and environmental control, in industry and scientific research, in nuclear medicine and other applications.
- Dead layer of the GWDX detectors inside of the well is thinner if to compare to GWD detectors. Therefore, lower limit of the energy range for this type of detectors is way lower than of GWD well-type detectors and is much lower than 20 keV.
- Moreover, special production technology of GWDX detectors allow to guarantee energy resolution at 122 keV not worse than 750-850 eV. Energy range of GWDX HPGe well-type detectors can reach 5 keV.

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Plenty of cryostat geometries available

