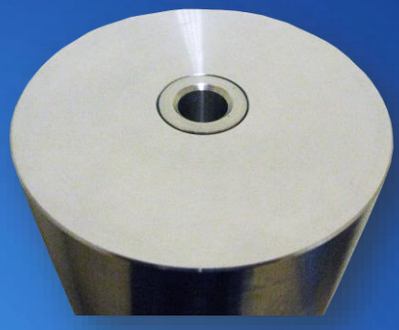
BALTIC SCIENTIFIC INSTRUMENTS

Bringing Solutions



Well-type HPGe Detectors GWDX

Well-type HPGe Detectors GWDX

(liquid nitrogen cooled)

DESCRIPTION

Detection of Gamma-rays in nuclear energetics and environmental control, in industry and scientific research, in nuclear medicine and other applications when the user is dealing with small amount of sample and is willing to have better efficiency if to compare to regular Coaxial HPGe detectors. The main difference of GWDX detectors is that they are showing not only better efficiency but also way better energy resolution at 122 keV.

FEATURES

- Relative efficiency: 15% - 70% and higher
- Energy range: 20 keV - 10 MeV
- **Extraordinary energy resolution at 122 keV**
- Thin dead layer to provide excellent efficiency
- Almost 4π geometry measurement
- Variety of cryostat geometries

COMPLETE SET

- HPGe Well-type detector
- SHP Preamplifier with cooling input stage
- Cryostat
- Cooling system (Monolith/Nicole/LN2)
- Cable set

ADD-ONS

- Multi Channel Analyzer MCA
- Analysis Software GammaPRO
- Advanced software package MCC-MT
- Lead Shield
- Etc.

Model	Well diameter, mm	Nominal volume, cc	Energy resolution	
			at 122 keV (eV)	at 1332 keV (eV)
GWDX-1520	10	90	**0.75**	2.0
GWDX-1522	16	100	**0.8**	2.2
GWDX-2020	10	110	**0.75**	2.0
GWDX-2022	16	120	**0.8**	2.2
GWDX-2522	10	130	**0.75**	2.2
GWDX-2523	16	140	**0.8**	2.3
GWDX-3022	10	150	**0.8**	2.2
GWDX-3023	16	160	**0.85**	2.3
GWDX-3522	10	170	**0.75**	2.2
GWDX-3523	16	180	**0.8**	2.3
GWDX-4022	10	190	**0.75**	2.2
GWDX-4023	16	200	**0.8**	2.3
GWDX-6023	10	280	**0.8**	2.3
GWDX-7024	10	360	**0.8**	2.4
GWDX-7024	16	360	**0.85**	2.4

Baltic Scientific Instruments
Ramulu str. 3
Riga, LV-1005
Latvia

Phone: +371 67383947
E-mail: sales@bsi.lv
www.bsi.lv

Gamma-rays