

HP(Ge) Mobile Spectrometer for Field Application



Registration of Gamma and X-Ray spectra for the radiological control of environmental objects, industrial and agricultural products, objects and plants of nuclear energetics and enterprises dealing with the storage and processing of radioactive wastes.

FEATURES:

- Optimal sizes and weight for mobile application;
- Placed in an Hand trolley with Lead shield set;
- Minimal time to reach the proper temperature mode for the detector after LN2 filling;
- Simplicity of operating and servicing the device.

COMPLETE SET

- HPGe semiconductor detector for Gamma spectroscopy representing a planar or coaxial detector with preamplifier in portable Dewar;
- Spectrometric device Multispectrum or DigiSpectrum capable of operating with a Laptop PC or Palmtop PC;
- Software;
- Lead Shielding with collimators;
- Hand trolley and transport case;
- Laser range indicator;
- Accessories: Funnel for LN2 filling, Recharger etc.; Cable pack and documentation.



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SPECIFICATIONS

| Parameter | Value |
|--|------------|
| Energy range, keV | 40 - 3000 |
| HPGe detector efficiency, % | 30* |
| Energy resolution for 30% efficiency detector, keV at energy | |
| 122 keV | 0.8 |
| 1.33 MeV | 1.8 |
| Peak to Compton ration | 58:1 |
| Time of cooling after filling with liquid nitrogen, h | 4 |
| Time of continuous operation (depending on Dewar vessel volume), h | 24, 48, 96 |
| Weight of detector with Dewar vessel, kg | 7 |
| 1.5l | 11 |
| 3.0l | 15 |
| 5.0l | |

*HPGe Detectors are available with efficiency form 10% to 100%

** Depending on Dewar vessel volume and/or detector efficiency



Robust and waterproof protective case

