

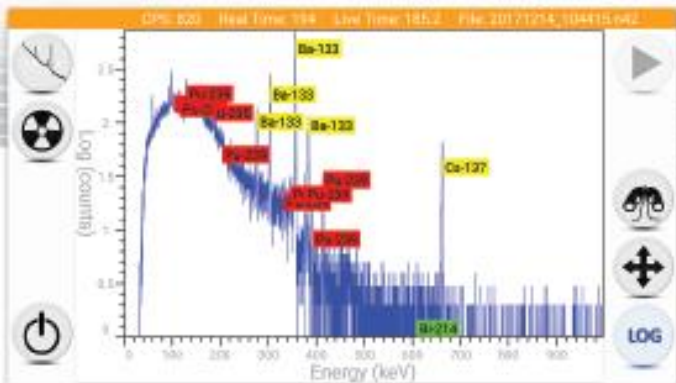
Fulcrum™

Hand Held HPGe Detector



- Pu-239
- U-235
- Cs-137
- Np-237
- Ba-133

High Resolution Spectroscopy
and *Automatic* Identification



Applications

- Military and Civilian CBRNE Operations
- Nuclear Safeguards
- Nuclear Security
- Special Nuclear Materials Analysis
- Decommissioning & Decontamination

Specifications

| | |
|-----------------------------------|---|
| Weight: | 7.0 lbs. |
| Battery Life: | 4 hours internal, 12 hours external, hot swappable |
| Power supply: | 100-240 VAC, 50-60 Hz |
| User Maintenance: | None |
| Energy Resolution: | FWHM ~ 1.0 keV at 122 keV FWHM ~ 2.2 keV at 1332 keV |
| Sensitivity: | 10- μ Ci ¹³⁷ Cs at 1 meter (3.3 μ R/hr, 33 nSv/hr) (662 keV) 6σ : 12.9 seconds +/- 1.9 seconds |
| Rate capacity: | ~ 100 kcps ~ 50% dead time |
| Detector (Ge Crystal) dimensions: | 40-mm diameter, 20-mm thick |
| Cool-down time: | 60 minutes |
| Start-up time (cold): | 2 minutes |
| Included: | Android mobile phone i/o device, pelican case, power supply, battery charger |

Features

- Most compact HPGe detector system
- Lowest weight HPGe detector system
- Integrated Stirling-cycle cooler
- Automatically specifies: SNM, NORM, IND, MED
- Germanium gamma-ray spectroscopy: 32 kch
- User friendly OMNI Android app
- Wireless or hardwired data transmission available
- TwistLock milspec power connector
- Long-lived internal cooler (10+ years run time)
- Single button Reachback (ANSI N42.42)

Optional External Li-Ion Battery Pack

