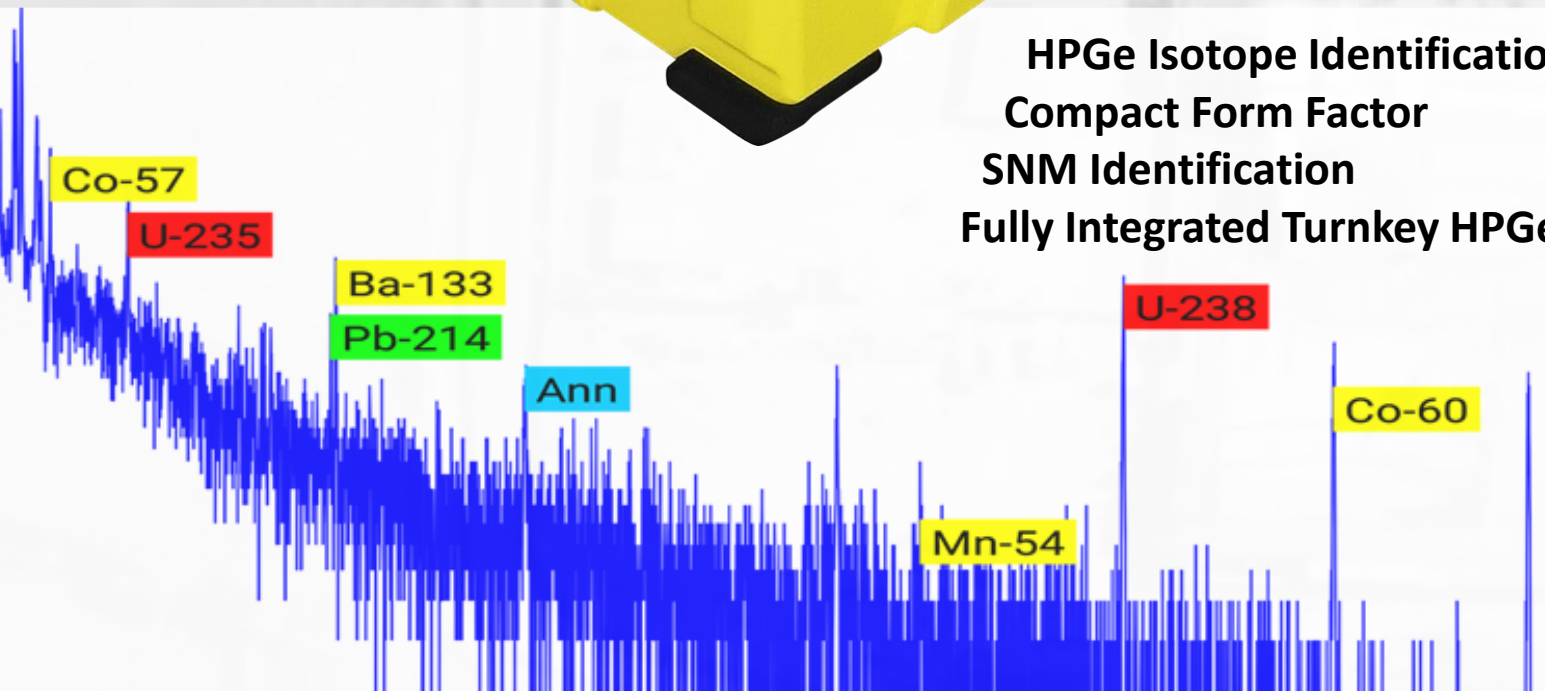


Fulcrum

Hand Portable HPGe Gamma Ray Spectrometer



HPGe Isotope Identification
Compact Form Factor
SNM Identification
Fully Integrated Turnkey HPGe



Fulcrum

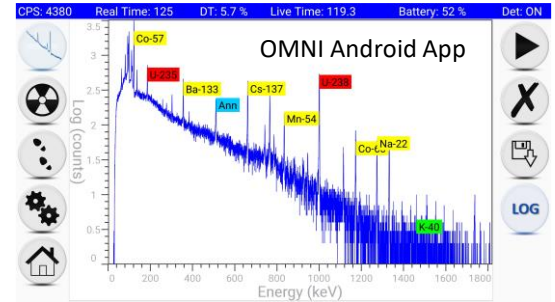


Fulcrum Specifications:

Weight:	7.9 lbs. + 1.1 lbs. internal battery
Dimensions:	8" x 5" x 6" (20 cm x 13 cm x 15 cm)
Battery life (internal hot swappable):	5-6 hrs
Battery life (external):	~15 hrs
Power supply:	100-240 VAC, 50-60 Hz
User maintenance:	None
Energy resolution:	FWHM < 2.5 keV at 1332 keV
Relative 1332 keV efficiency vs. 3"x 3" NaI	10-13 %
Exposure capacity:	20 kcps (35% dead time in 1.5 mR/hr ⁶⁰ Co)
Energy range spectroscopy (32k ch):	40 keV - 3 MeV (12 MeV option)
Isotope Identification:	88 user selectable isotopes
Isotope Categories:	SNM, NORM, IND, MED
HPGe detector crystal dimensions:	60-mm diameter, 25-mm thick
Cool-down time:	2 hours
Detector startup time:	2 minutes
User interface device:	Android Mobile Phone, OMNI App

Fulcrum Features:

- Good sensitivity to ²³⁵U, ²³⁸U and ²³⁹Pu
- Reachback file save and reload ANSI N42.42 format
- Wireless capable, wireless option can be disabled
- Twist-lock mil-spec power connector
- Long-lived internal Stirling-cycle cooler
- Remotely operable



Spectroscopy



Exposure Rate



System Control



2590
300 W-hr
external battery



2557
100 W-hr
internal battery

20210218
Specifications subject to change