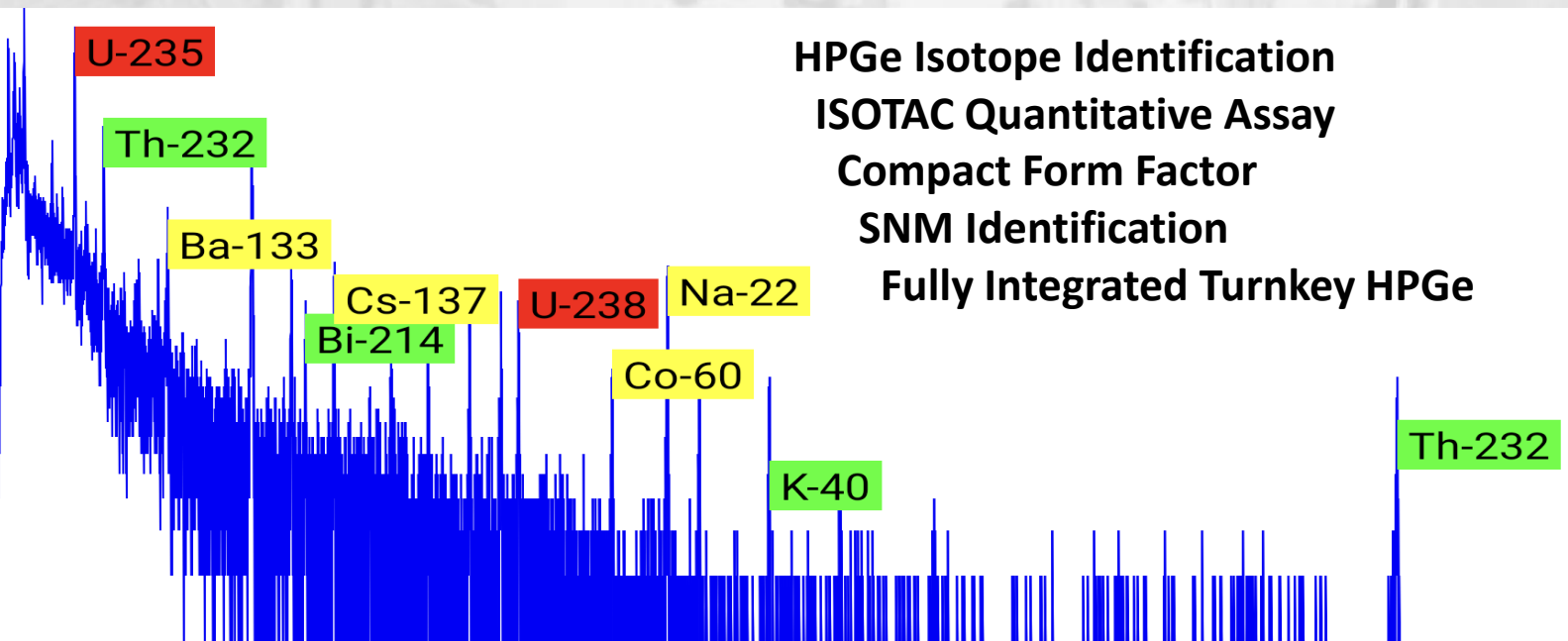


Fulcrum-40h

Hand Portable HPGe Gamma Ray Spectrometer



HPGe Isotope Identification

ISOTAC Quantitative Assay

Compact Form Factor

SNM Identification

Fully Integrated Turnkey HPGe

Fulcrum-40h



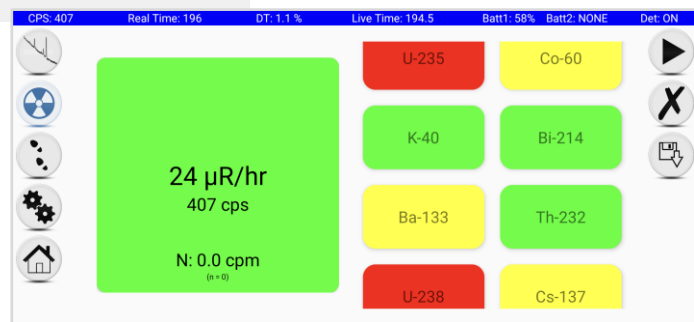
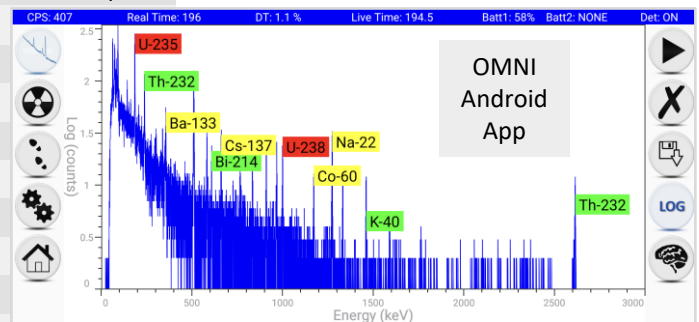
Fulcrum Specifications:

Weight:	9.9 lbs. + 2.2 lbs. onboard batteries
Dimensions:	10" x 6" x 9" (25 cm x 15 cm x 23 cm)
Battery onboard (2x BB-2557 hot swap):	~ 10 hrs
Battery external (BB-2590):	~ 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	35-45 %
Exposure capacity:	~ 3 mR/hr (12% dead time in 1 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, Neutron
HPGe detector crystal dimensions:	85-mm diameter, 30-mm thick
Cool-down time:	5 hours
Detector startup time:	2 minutes
User interface device:	Android Mobile Phone, OMNI App
Neutron Detector Efficiency	1.2 cps/nv



Fulcrum Features:

- High sensitivity to ²³⁵U, ²³⁸U and ²³⁹Pu
- ISOTAC Quantitative Isotopic Assay
- Reachback file save and reload ANSI N42.42 format
- Wireless capable, wireless option can be disabled
- Twist-lock mil-spec power connector
- Long-lived Stirling-cycle cooler
- Remotely operable
- Neutron Detector Option



Copper lined
Tungsten (6 mm)
Shield/Collimator



BB-2590
300 W-hr
external battery



BB-2557
100 W-hr
internal battery

20220921
Specifications subject to change