

# LoPro

Low Profile Hand Portable HPGe Gamma Ray Spectrometer



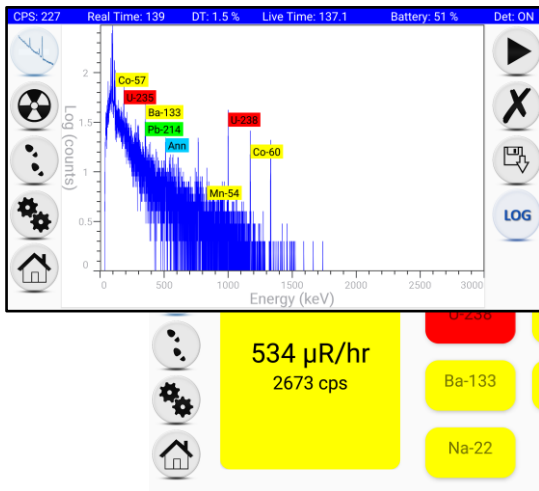
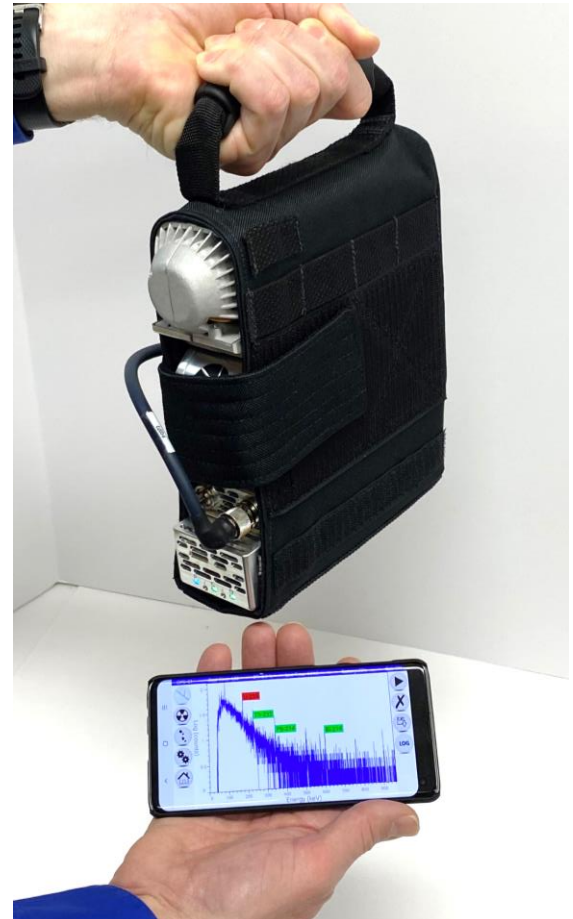
**Designed  
by operators  
for operators**

**HPGe Isotope Identification  
Compact Form Factor  
SNM Identification  
GADRAS Capable  
Fully Integrated turnkey HPGe**

# LoPro



LoPro Specifications:	
Weight:	8.3 lbs. (3.6 kg) + battery
Dimensions:	8" x 8" x 2" (20 cm x 20 cm x 5 cm)
Battery life:	4-15 hrs depends on battery configuration
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 <sup>60</sup> Co)
Energy range spectroscopy (32k ch):	40 keV - 3 MeV (12 MeV option)
Isotope Library:	GADRAS
Isotope Identification:	GADRAS
Isotope Categories:	SNM, NORM, IND, MED
HPGe detector crystal dimensions:	60-mm diameter, 25-mm thick
Cool-down time:	2.5 hours
Detector startup time:	2 minutes
User interface device:	Android Mobile Phone, OMNI or TAK
LoPro Features:	
Good sensitivity to <sup>235</sup> U, <sup>238</sup> U and <sup>239</sup> Pu	
Reachback file: 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	



OMNI Android App  
Spectroscopy  
Exposure Rate  
System Control

TAK Android App  
GADRAS



2557  
100 W-hr  
battery

2590  
300 W-hr  
battery

20210129  
Specifications subject to change