

# 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

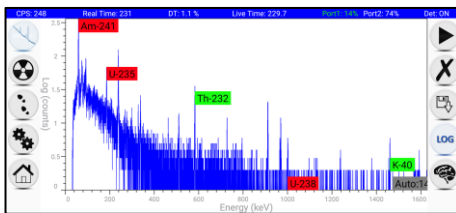


LoPro Specifications:	
Weight:	8.3 lbs. (3.6 kg) + battery
Dimensions:	8" x 8" x 2" (20 cm x 20 cm x 5 cm)
Battery life:	4-15 hrs. battery configurations
Power supply:	12-32 VDC, 100-240 VAC, 50-60 Hz
User maintenance:	None
Energy resolution:	FWHM < 2.5 keV at 1332 keV
Relative 1332 keV efficiency vs. 3"x 3" NaI	10-13 %
Exposure capacity:	20 kcps (40% 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

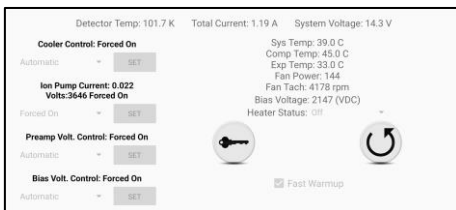


LoPro Features:	
Good sensitivity to <sup>235</sup> U, <sup>238</sup> U and <sup>239</sup> Pu	
OMNI Android App – Isotope ID with Confidence Level and Field Quantification	
TAK Android App – LoPro is TAK enabled with GADRAS ID	
Both Wired and Wireless capable, wireless can be disabled	
Reachback file: ANSI N42.42 format including GPS tags	
Twist-lock mil-spec power connector	
Long-lived internal Stirling-cycle cooler	
No-LED (Dark Mode) Operation and Data Collection	
Onboard or Remote Data Collection	

OMNI Android Spectroscopy and ID



OMNI Android Exposure Rate and ID



OMNI System Control and Interlocks



TAK Android App and GADRAS

Net Warrior  
100 W-hr  
battery



BB 2590  
300 W-hr  
battery



20240306

Specifications subject to change