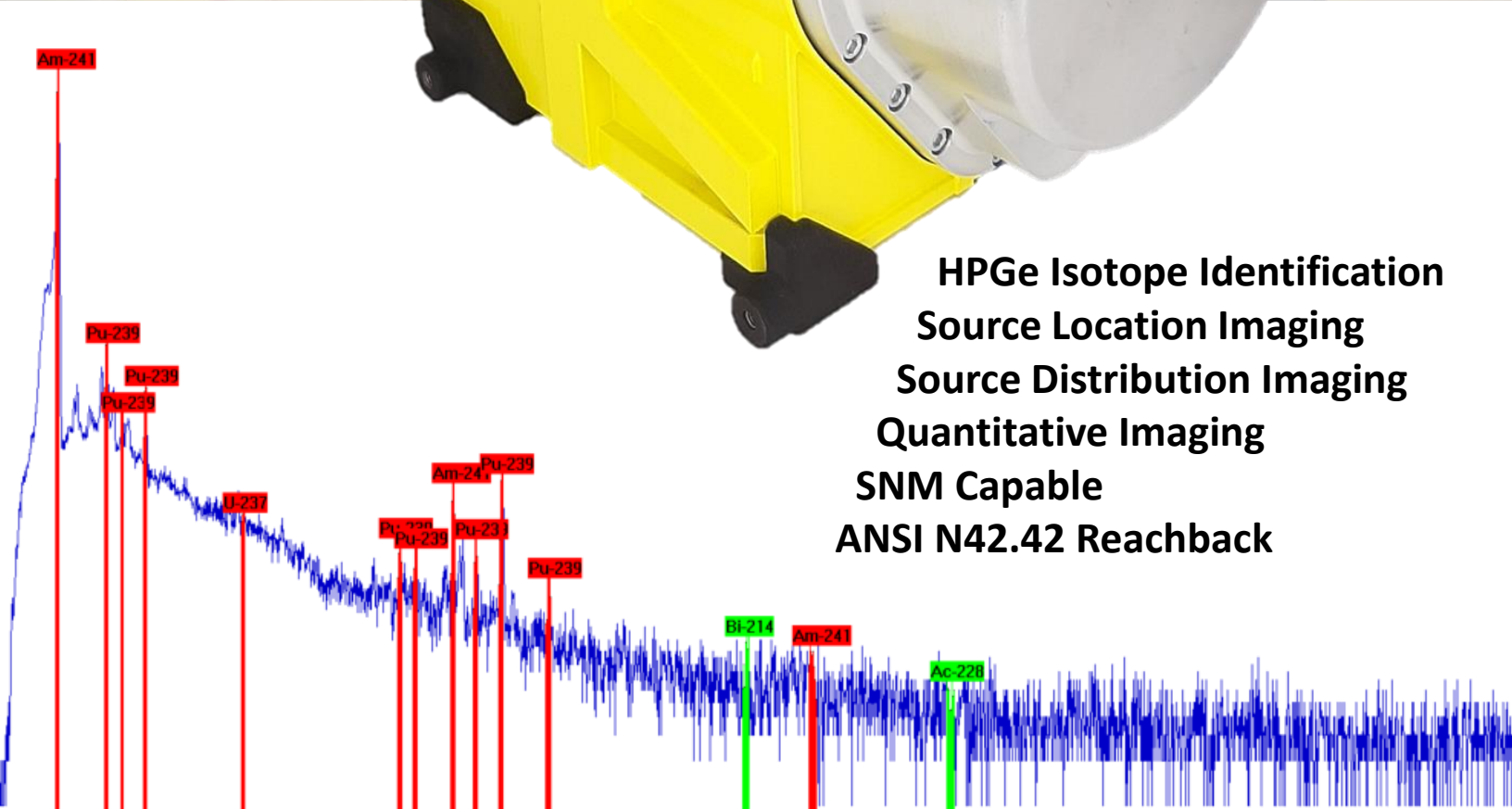


# GeGI

Germanium Gamma-Ray Imaging HPGe Spectrometer



**HPGe Isotope Identification**  
**Source Location Imaging**  
**Source Distribution Imaging**  
**Quantitative Imaging**  
**SNM Capable**  
**ANSI N42.42 Reachback**

<b>GeGI Specifications:</b>	
Weight (Detector):	15 lbs. (6.8 kg)
Dimensions (Detector):	10.5" x 8.0" x 5.5" (26 cm x 20 cm x 14 cm)
Battery life:	3 hrs internal (hot swappable), 6-8 hrs external
Power supply:	100-240 VAC, 50-60 Hz
User maintenance:	None
Energy resolution:	FWHM < 2.1 keV (0.3 %) at 662 keV
Gamma-ray Compton imaging field of view:	4π (360°)
Optical camera field of view:	2π (180°)
Pinhole imaging field of view:	60°
Imaging Range:	(10 cm - 50+ meters)
Sensitivity: 10 μCi <sup>137</sup> Cs at 1 meter (3.3 μR/hr, 33 nSv/hr)	
ID time (spectroscopy):	3.7 sec +/- 1 sec (662 keV, 8σ)
Location (imaging) time:	30 sec +/- 13 sec (Compton image)
Exposure rate capacity:	200 kcps (~10% Dead time in 15 mR/hr <sup>60</sup> Co)
Energy range spectroscopy (16k ch):	30 keV - 3 MeV (12 MeV option)
Energy range Compton Imaging:	150 keV - 3 MeV
Energy range Pinhole Imaging:	30 keV - 662 keV
Isotope Library:	400 isotopes (Auto detect or user selected)
Isotope Identification:	37 frequently encountered isotopes
Isotope Categories:	SNM, NORM, IND, MED
HPGe detector crystal dimensions:	90-mm diameter, 11-mm thick
Active detector volume / area:	67 cm <sup>3</sup> / 61 cm <sup>2</sup>
Cool-down time:	4 hours
Detector startup time:	2 minutes
Tablet:	Rugged daylight-readable glove-touch screen

### GeGI Features:

<sup>235</sup>U (186 keV) and <sup>239</sup>Pu (375 keV, 414 keV) Compton Imaging Capable

User-friendly single-button glove-touch operation

Full session save, reload, full data-stream available

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

Onboard neutron detector option - consult factory



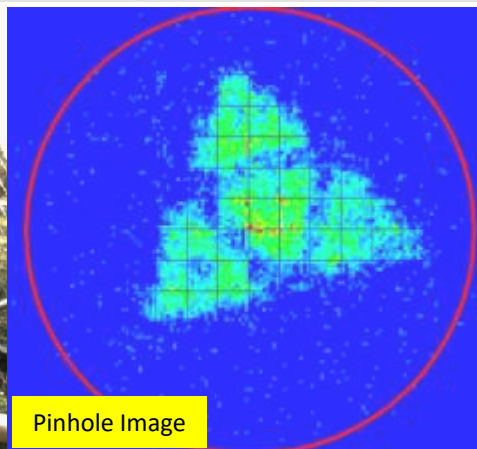
Pinhole  
Imaging Aperture



2590 300 W-hr  
External battery



Compton Image



Pinhole Image

20220216  
Specifications subject to change