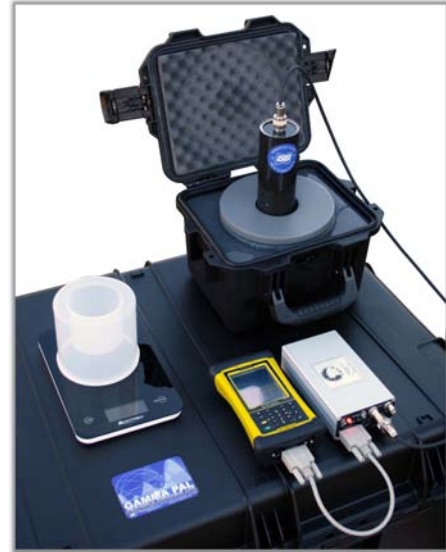


Gamma PAL

Portable Analysis Lab



The **Gamma PAL** is a complete portable measuring system for analyzing radiation contamination in food, such as milk, meat, fish, grain, fruit, and vegetables, as well as soil, water, air and other materials. It allows users to directly and easily perform quick, reliable measurements in Bq/l or Bq/kg and identify the isotopes present in potentially contaminated material using one of three pre-calibrated geometries.

Radioactive material in the sample is detected with a 2x2 sodium iodide scintillation probe using a Marinelli geometry for soil, water, and bulk samples or a 2-inch filter geometry for wipes and air samples. The 500ml beaker is placed in a 1-inch thick lead shield. Depending on the sampling time and the isotope, the detection limit is approximately 60-100 Bq/l and can easily identify concentrations of Iodine 131, Cesium 134, and Cesium 137.

Kit Includes: URSA-II Multi Channel Analyzer w/ GammaPAL Software | One 2X2 NaI Detector w/ C-C cable | TDS Nomad 900LE w/ Bar Code Scanner and Serial Boot | Carries 10 Empty Marinelli Beakers model 527G-E | Lead Marinelli Shield Case | 1 Marinelli with K40 reference standard | 1 roll 3M-33 Black Tape for sealing Marinelli | 5000g Tempered Digital Scale | Sieve for Sample Collection | Small Hand Shovel | iM3075 StormCase w Wheels | Inspector Survey Meter w/ Wipe Test Plate | Swipes |

Additional Specifications

- **Detector** - 2 X 2 NaI Detector w/ 3ft. C-C cable
- **TypicalFWHM** - 7.5% - 9%.
- **Display** -TDS Nomad 900LE w/ Bar Code Scanner and Serial Boot
- **Spectrum Analyzer** - URSA-II Multi Channel Analyzer w/ GammaPAL Software
- **Total Kit Size** - 33.30" x 24.40" x 19.30 inches (84.5 x 62 x 49 cm)
- **Total Weight** - 110lbs (49.895kg)

