DESCRIPTION:

The RadBack-GN combines both Gamma and Neutron detection. Gamma spectrometry and identification is immediate and wirelessly transmitted.

- Data archive and retrieval
- User settable interface
- RS-232, USB ports with cable
- (2) Rechargeable battery packs
- AC & DC Chargers
- Background Rejection

APPLICATION:

The RadBack-GN is perfect for field use. Covert surveillance in a crowd, at any outdoor gathering. Use for covert street surveillance of parked vehicles, orphaned sources, maliciously introduced sources, and other types of radiological contamination.

FEATURES:

- PORTABLE, FIELD READY
- DETECTS GAMMA AND NEUTRON
- DATA ANALYSIS, DATA LOGGING, ARCHIVE AND RETRIEVAL
- OPTIONAL: MCA GAMMA SPECTROSCOPY & ISOTOPE IDENTIFICATION
- RECHARGEABLE BATTERIES – 10 HOURS OPERATION
- STANDARD EARPHONE FOR STEALTH DETECTION
- LIGHTWEIGHT
- HIGH SENSITIVITY
- GPS
- OPTIONAL: WIRELESS DATA TRANSFER TO REMOTE BASE UNIT OR CELL PHONE
BACKPACK GAMMA & NEUTRON DETECTION

Model – RADBACK-GN

SPECIFICATIONS:

DETECTORS:

GAMMA DETECTOR:
- Detector: 800 cc plastic scintillator (Standard)
- Energy Range: 20 KeV to 3 MeV
- Sensitivity: 0.5 µR/hr

OPTIONAL:
- MCA: Channels: 1024
- Detector for MCA: Large NaI (Tl) for spectroscopy and isotope identification

NEUTRON DETECTOR:
- Detector: Fast / Slow Neutron Scintillator (Standard)
- Energy Range: 20 KeV to 3 MeV

SYSTEM SPECS:
- Backpack: Lightweight, water resistant
- User Interface: LED Indicator unit with belt clip – Gamma, Neutron Separate LED lights
- Computer Interface: Cable and software
- Alarm: Gamma, Neutron Separately
- Data download: RS-232/USB  OPTIONAL: Wireless or Bluetooth
- Earphone
- GPS

ENVIRONMENT
- Temperature: -4°F to 122°F (-20°C to +50°C)
- Relative humidity: 90% Non-Condensing

POWER:
- Rechargeable batteries and charger for 120/240 V AC and 12 V DC
- Operation Time: Approximately 10 Hours

DIMENSIONS & WEIGHT
- Dimensions: 24” H x 12” W x 7” D
- Total Weight: 16.5 lbs

OPTIONAL:
- Backpack Rain Cover