

BACKPACK GAMMA & NEUTRON DETECTION

Model – RADBACK-GN & Model RADBACK-GN-ID

FEATURES:

- PORTABLE, FIELD READY
- DETECTS GAMMA AND NEUTRON
- DATA ANALYSIS, DATA LOGGING, ARCHIVE AND RETRIEVAL
- MCA GAMMA SPECTROSCOPY & ISOTOPE IDENTIFICATION – **RADBACK-GN-ID**
- 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



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.

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



TECHNICAL ASSOCIATES
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SPECIFICATIONS:

DETECTORS:

GAMMA DETECTOR:

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

RADBACK-GN-ID

- MCA: Channels: 1024
- Detector for MCA: Large NaI (TI) 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:

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

DIMENSIONS & WEIGHT

- Dimensions: 24" H x 12" W x 7" D
- Total Weight: 16.5 lbs

OPTIONAL:

Backpack Rain Cover



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