



Backpack Gamma and 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 and 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 and DC Chargers
- Background Rejection



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Backpack Gamma and Neutron Detection

Model – RADBACK-GN and Model RADBACK-GN-ID

Specifications

DETECTORS

Gamma Detector:

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

Optional:

- 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 Specifications

- 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

Dimensions and Weight

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

Optional:

Backpack Rain Cover



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