

# 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  $\mu$ 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  
Approximately 10 Hours

#### Dimensions and Weight

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

#### Optional:

Backpack Rain Cover



**TECHNICAL ASSOCIATES**  
**OVERHOFF TECHNOLOGY**

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

P: 818-883-7043 | C: 818-836-0381 | F: 818-883-6103

SALES@TECH-ASSOCIATES.COM | TECH-ASSOCIATES.COM

DIVISIONS OF



US NUCLEAR CORP

TICKER UCLE