

RAD IQ™ HH100



Hand-held RIID

The RAD IQ™ HH100s designed to meet the requirements of ANSI 42.34 criteria for hand-held instruments for the detection and identification of radionuclides.

This instrument provides a superb solution for the demanding requirements of Homeland Security in the USA and other countries. Our solution replaces traditional designs with a unique solution that seamlessly integrates a powerful PDA or Smartphone with the Nuclear Radiation measuring detector.

The hand-held unit is designed accommodate up to 3x3 inch scintillation detector. Optionally GM tube and/or neutron detector can be added. The PAD display provides the user with easy to read information providing assessment of current radiological levels including personal safety and radionuclide identification. The camera feature, GPS and communication capabilities enable the operator to rapidly deliver a complete, informative and actionable report to his command center.



Emergency Responder



Homeland Security

Key features

- ANSI N42.34 compatible
- PDA based hand-held RIID (Radiologic Isotope Identification device)
- Laser/LED flash light for target identification
- Automatic System Calibration and Stabilization
- Database protocol for log files and alarm events
- Water and Shock Resistant
- Small, Convenient, Form Factor and light weight

Applications

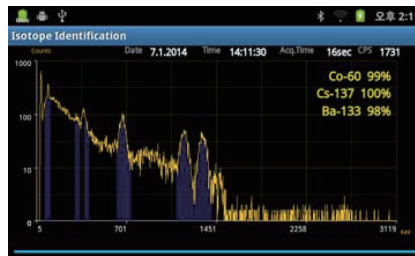
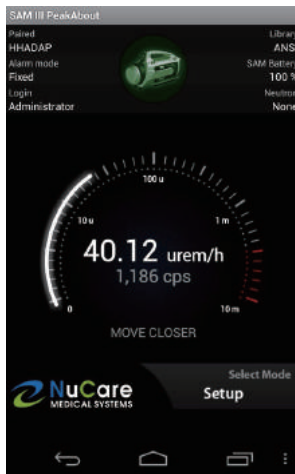
- Homeland Security
- Emergency Responder
- Radiological Area Mapping
- Geological Radiation Survey
- Safeguard and nuclear security

Key Specifications

Detector (Gamma)	NaI(Tl) (3×3 inch) and GM tube	Dose rate range (Gamma)	NaI : 0 – 10 mR/h GM : 10 mR/h – 10 R/h
Energy range	20 – 3,000 keV	Resolution	7% ± 1% @ 662keV(Cs-137)
MCA (Gamma)	12 bit 4096 channels	Operating Temperature	-15°C(5°F)~50°C(122°F)
Network Communication	Bluetooth and USB	Battery Life	8 hours (typical)
Dimension	320(W)×134(D)×188(H) mm	Weight	4 kg (8.8 lb) w/ 3×3 inch NaI(Tl) detector

PDA Application SW

Our PDA solution provides the user with convenience and capability that traditional designs cannot achieve. Upon completion of a survey the data is downloaded from the PAD unit to the PC.



Spectrum analysis



Radionuclide ID analysis

1	Database directory
2	General information
3	Event list
4	Event Spectrum
5	Real Time activity
6	Identification
7	Comments
8	Nuclide Library
9	Photos
10	MXL file save



Command Center SW