

# NUCTECH™ RM Series

## Handheld Radionuclide Identifier



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### Technical Features

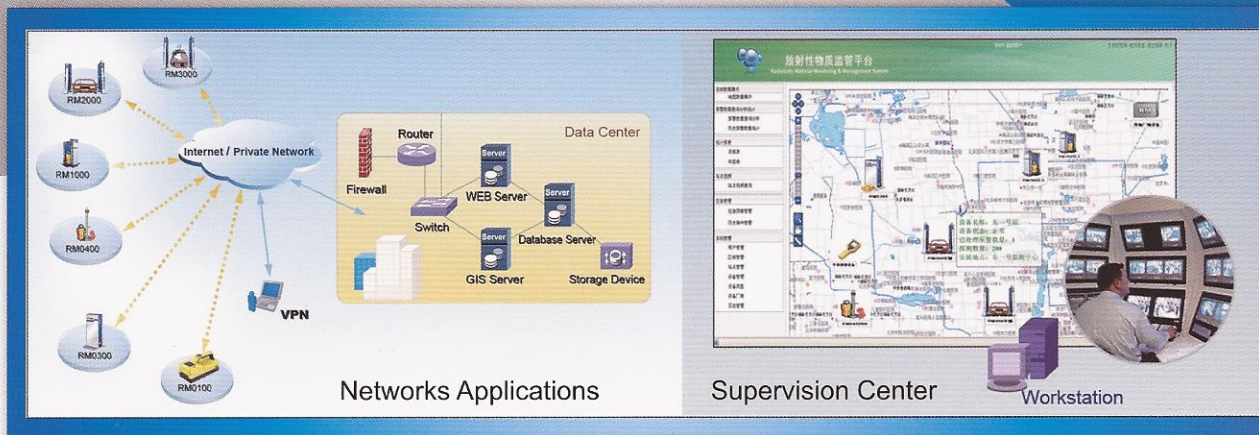
- Designed according to the requirements recommended by IAEA, IEC and ANSI
- Source search, dose rate measurement and radionuclide identification modes
- Reliable classification of SNM, NORM, medical and industrial nuclear materials.
- Constant background updating and automated subtraction.
- Automated self-calibration.
- High ruggedness standard for field use
- Audio, visual and vibration alarm indication
- 3.5" TFT Touch Screen

### Summary

Nuctech Company Limited offers RM0100 series handheld radionuclide identifier for detection and identification of Gamma radiation in a passive way. The RM0100 series is capable of radiation sources search, dose rate measurement and radionuclide identification with outstanding sensitivity and reliability, and optional neutron monitoring module can add the capability of detecting shielded Special Nuclear Material (SNM).

Nuctech offers a wide range of models with various detector technologies and configurations to meet diverse application requirements. Both NaI(Tl) and LaBr<sub>3</sub> solutions are available for Gamma spectroscopy, while the latter features remarkable higher spectrum resolution. GM counter is integrated in all configurations for measurement of high dose rate up to 10,000  $\mu\text{Sv/h}$ .

# NUCTECH™ RM Series Handheld Radionuclide Identifier



## Technical Data

### General Specifications

Design Standards	Designed according to the requirements recommended by IAEA, IEC and ANSI
Gamma Detector Energy Range	20keV ~ 3000keV
Dose Rate Range	100nSv/h ~ 10mSv/h
Built-in Battery	8hours rechargeable Li
Display	3.5" TFT Touch Screen
Alarm indication	Audio, visual and vibration
Alarm Threshold	Adjustable
Communication Interface	USB / Ethernet
Ingress Protection	IP54
Operating temperature	-20°C ~ +50°C
Power Supply	100 ~ 240 VAC, 47 ~ 63Hz

### Products

	RM0100NA/NH	RM0100LA/LH
Gamma Detector	Nal(Tl) Φ30mm×50mm Geiger-Mueller counter Φ7.5mm×55mm	LaBr <sub>3</sub> Φ30mm×38mm Geiger-Mueller counter Φ7.5mm×55mm
Dimensions (L×W×H)	292mm×142mm×165mm	292mm×142mm×165mm
Weight	2.2kg/2.6kg	2.2kg/2.6kg

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Printed in CHINA, July 2013.



NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2008)  
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)  
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM (GB/T28001-2001)

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