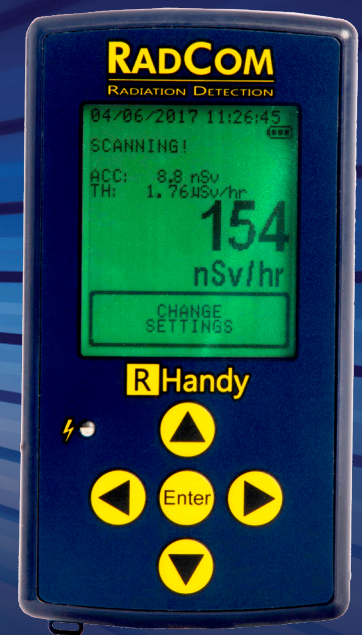


**The RHandy portable fast responding radiation detector and dose rate meter will instantly measure any material for the presence of radioactivity whether it is clothing, food, water or even air.**

- Lightweight
- Easy to use
- Visual and audible alarms
- Automatic operation
- Adjustable alarm thresholds
- Economical solution



# RHANDY

## PORTABLE RADIATION DETECTOR

### User Friendly and Economical Solution

The RHandy portable Fast Responding Radiation Detector and Dose Rate Meter will instantly measure any material for the presence of radioactivity whether it is clothing, food, water or even air. The adjustable alarm threshold setting can be set to a predetermined radiation level or the recommended factory default alarm threshold can be used.

The RHANDY is a very user friendly and economical solution for those requiring a portable radiation and contamination monitor. This portable handheld instrument will instantly detect and measure radioactivity and radioactive materials on clothing, food, water and the environment.

### Easy to Use Operation

The user selectable alarm thresholds can be set to the desired radiation levels or the recommended factory default alarm thresholds can be used. Operation of the RHANDY is completely automatic, once the easy-to-set operational parameters have been configured. Simply position the unit in close proximity to the object that needs to be scanned and listen for the varying audio alarm to sound and observe the large easy to read display.

### Dose Rate Meter

In addition to the quick response, the RHANDY can be used to monitor accumulated dose. Measure not only personal absorbed dose, but locate the unit near the air intake of a building for the tracking of accumulated dose of air filters or intake pathways. Tracking of an air intake filter will provide vital information in determining when to shut down a system or when to change the filter.



## Size

- Detector dimensions: 4.35" L (11.04cm) x 2.35" W (5.97cm) x 1.17" H (2.97cm)
- Detector weight: 200g (0.25 lbs)

## Operating Temperature:

- -10°C to +50°C (+14°F to +122°F)

## Mechanical

- Five push button actuation
- Mini USB connector for internal battery charging
- Thru-hole arrangement for maximum radiation energy penetration
- Thru-hole for audio alarm

## Electronics

- Micro-controller based architecture
- 6.35cm (2.5") LCD with backlight
- Resolution: 128 x 128
- Backlight Auto-Off (180 sec) with push button Auto-On
- 1.5" L x 0.5" Mica-Window GM tube
- Audio alarm
- Stable low noise H.V. power supply
- Internal 100 KB Flash Ram
- Internal rechargeable Li-on battery with charging LED indicator
- Battery life: 10 hours of continuous operation
- Battery recharge Time: 4.5 hours based on 2200mAh battery

## Response Sensitivity

- Energy range: 30KeV – 1.5MeV
- Dose rate range: 0.03 $\mu$ Sv/hr to 1.0 Sv/hr (1.0  $\mu$ R/hr to 100.0 R/hr)
- Gamma sensitivity: 60Co 18 (cps/mR/hr)
- Beta sensitivity: I-131 (max. 606 KeV) Efficiency on contact is 97%
- Fast scanning response: 30.0 nSv/hr (3.0  $\mu$ R/hr) change over ambient background
- Operating temperature range: -20 - +70°C
- Accumulated dose: 4000mSv (resettable)
- Radiation warning level: 5.0  $\mu$ Sv/hr (500.0  $\mu$ R/hr)

## Software

- Menu driven user interface
- Selectable features: Sensitivity, Date and Time, Units of Measure, Readings Update, Accumulation Time, Language
- Up to 6 digit auto-scaling displayed radiation level
- Selectable displayed units - CPS, Sv/hr, R/hr, (with auto scaling readout)
- Base sampling rate is 200 mSec, screen updates every 1/second
- Battery level indicator: Three bars for Full Battery, Low Battery Warning Message with the battery bar flashing, 10% Battery Capacity Remaining Audio Beep Every One Minute, System will Turn Off at 5% Battery Capacity
- Warning messages: Scanning, Charge Battery, Initializing, Alarming, High Level Alarm, System Error, Calibration Required



### Corporate Head Office

Scott Aikin  
Saikin@radcommsystems.com  
Jeff Adams  
jadams@radcommsystems.com  
2931 Portland Drive  
Oakville, ON Canada L6H 5S4  
Tel. +1 (905) 829-8290  
Toll Free. 1 (800) 588-5229  
Fax. +1 (905) 829-1406

### USA

Joshua Hunter  
jhunter@radcommsystems.com  
602 E. Lincolnway Ave.  
Valparaiso, IN USA 46383  
Tel. +1 (773) 680-8430  
Toll Free. 1 (800) 588-5229  
Fax. +1 (219) 510-5764

### Europe

Wim van Hove  
wim.van.hove@radcommeurope.com  
Watertorenweg 32, 2230 Herselt, Belgium  
Tel. +32.14.75.02.13  
Fax. +32.14.75.02.16

### Black Sea

Osman Tureyyen  
metkim@metkim.com  
Kavakik, Onarimli Sokak  
No 9 Altay Han  
Daire: 8 Beykoz, Istanbul, Turkey  
Tel. +90 (216) 425-1412  
Fax. +90 (216) 425-1432

### Latin America

Eduardo Ballesteros  
analiticacontrol@prodginy.net.mx  
Amatista No.27, El Pedregal  
Atizapan de Zaragoza, 52948, Estado De Mexico  
Tel. (52) 55 5077 4633/ (52) 55 3615 4910

### India

Neelakshi Bhargava  
neelakshi@radcommsystems.co.in  
C-34, Ground Floor, Sawan Park, Ashok Vihar  
New Delhi 110052, India  
Tel. +91-9717671924  
Fax. +91-9818650118