RADSTAR ALPHA

CONTINUOUS RADON MONITORS

Thank you for choosing this RadStar Alpha Series Continuous Radon Monitor. Along with the Radon Management Cloud application, the RadStar Alpha provides you with a high quality CRM with superior performance and sensitivity as well as the software tools required to help you manage your radon testing business.

This Product Guide provides you with the information needed to begin using your RadStar Alpha. Additional information, including full product instructions and feature demonstrations, can be found on **radstaralpha.com.**

🛑 NOTE: Read All Instructions Before Using the Device 🛑

IN106 Rev C

PRODUCT GUIDE

RadStar Alpha Series Models α310, α516 and α830

RADSTAR ALPHA PRODUCT GUIDE
RadStar Alpha Series Models
α310, α516 and α830

STOP

NOTE: Read All Instructions Before Using the Device

STOP

Included in the Box

RadStar Alpha with keys

USB-C 6' Cable & Wall Charger Kit

3' USB-C Cord

Product Guide

Getting Started: User & Report Setup

NOTE: If your company has not already set up an account, contact a RadonAway customer service representative at 800-767-3703.

Step 1: User Management – Using your account login information, your Company's Administrator will login to the Radon Management Cloud at **radstarcrm.com** to create all users for your company.

Step 2: Report Management and Email Templates for Company – Your Company's Administrator will login to the Radon Management Cloud at **radstarcrm.com** and follow the directions for the one-time initial setup of the company Report Management and Email Templates.

Step 3: Install Mobile and Desktop Applications as Needed –

RS

For MOBILE:

1. Search for "RadStar" in Apple AppStore or Android Google Play store.
2. Install application named "Radon Management Cloud".

For DESKTOP:

Install software at **RadStarAlpha.com**

Understanding Your Device

⚠️ **BATTERY INFORMATION** ⚠️

- Charge your battery at least until the battery LED is GREEN. Time to achieve this will vary but should not take more than 4-6 hours (if battery is completely drained).
- When fully charged, battery should last approximately 10 days.
- The device will automatically turn off if sitting idle (not connected and not testing) for 15 minutes with the key switch in the ON or LOCK position.
- For best results, keep device plugged in during testing.

Key Switch

- **OFF** – Device is off, hardware buttons are disabled, and Bluetooth will not work while key switch in OFF position.

- **ON** – Device is on, hardware buttons can be used and Bluetooth will work while key switch in ON position.

- **LOCK** – In the lock position, the buttons on the RadStar are disabled. Insert key, turn to LOCK position, and then REMOVE KEY. Bluetooth will work while key switch is in LOCK position.

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Support Site: RadStarAlpha.com
Our online support site has a complete set of product instructions, FAQs, software downloads, etc.
Phone support at 800-767-3703 from 8:30 am to 5:00 pm, Eastern Time, Monday-Friday.

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Understanding Your Device

LED Indicators

RS	SOLID / FLASHING	SOLID	FLASHING	SOLID / FLASHING	FLASHING	SOLID	FLASHING
✔	Ready for use	-	Test in Progress	Call for support	-	-	-
🔋	Battery is fully charged	Battery is charging	**SLOW:** Battery at 50 – 74% **FAST:** Battery at 20 – 49%	Battery is critically low	-	-	-
🕐	-	-	-	-	In delay mode	-	-
✱	-	-	-	-	-	Connected	Broadcasting
T	-	-	*A tamper event has occured	-	-	-	-

*Three (3) types of tamper events are tracked: motion/tilt, A/C power disconnected, critically low battery

Performing a Test

Using the Device Buttons for Testing:

The buttons on the front of the device can be used to facilitate radon tests. (NOTE: More features are available when starting a test using the mobile or desktop apps.) To test using the device:

1. **Start Test** – Push this button to begin.
2. **End Test** – Push this button to end the currently running test.
3. **Delay Mode** – To create a delay period before your test begins, push this button as follows:

- Once for a 12-hour delay (light will flash slowly).
- Twice for 24-hour delay (light will flash quickly).
- Three times to turn off the delay (light will go off).

After selecting the appropriate delay, press the **Start Test** button. The Delay Mode LED will flash while delay is in progress.

Mobile & Desktop Apps

Software Installation:

Mobile App: Search for **"RadStar"** in Apple AppStore or Android Google Play store. Install application named **"RadStar Alpha Series"**

Desktop App: Download and install from:
http://radstar.accustarlabs.com/downloads/

Compatibility:
Only the following platforms are supported:

Mobile App
- iOS versions 10.x or higher
- Android versions 6.x or higher

Desktop App
- Windows 10

Website App
- Most web browsers

Mobile & Desktop App Functionality

- Start tests on your RadStar Alphas with custom delays, durations and automatic shut-offs.
- View incomplete test details while test is still running.
- End tests and download data for previewing prior to generating report.
- Delete old tests from your RadStar Alphas.
- Update your profile information, and many more.
- *Full app instructions are available online at* **RadStarAlpha.com.**

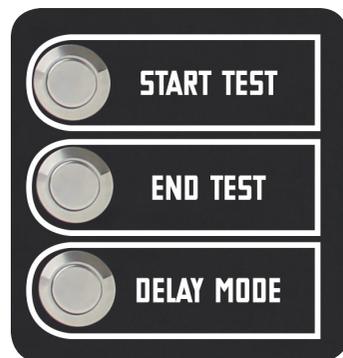# Radon Management Cloud

Using the Radon Management Cloud

The web-hosted Radon Management Cloud provides you with the ability to manage your company's testers, test details, and reporting features. Mobile and desktop applications can be used in the field to start, stop, and sync your radon test results to the Cloud.

⚠️ The Radon Management Cloud is **COMPATIBLE** with **RadStar RS300, RadStar RS800** and **Sun Nuclear 1027** continuous radon monitors by uploading test results through the desktop app. ⚠️
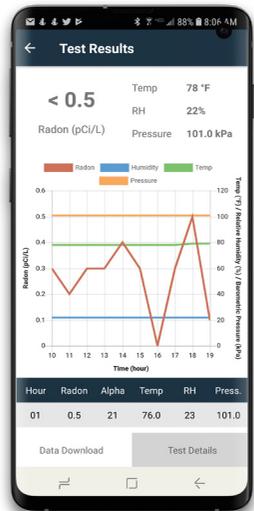
Mobile & Desktop Apps

Reporting

NOTE: Initial setup of your company reports must be completed first in order to obtain a test report. Refer to page 2, Step 3.

You MUST sync test details to the Radon Management Cloud before you can generate reports for that test. Syncing tests is done through the mobile or desktop app. After successfully syncing the test, you can download and/or email your official report via the mobile, desktop or **RadStarCRM.com** web interface. Full reporting setup and instructions are available online at **RadStarAlpha.com**

You can download the official report in several ways.

After ending and syncing a test using the mobile or desktop app, you can:
- Download or email a PDF of the official report from within the app interfaces.
- Login to the radon management cloud at **radstarcrm.com** and download and/or email PDFs of official reports from within the website interface.

FCC Rules

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme à la norme RSS Industrie Canada exempt de licence. Son fonctionnement est soumis aux deux conditions suivantes:

1. cet appareil ne doit pas provoquer d'interférences
2. cet appareil doit accepter toute interférence, y compris les interferences pouvant causer un mauvais fonctionnement du dispositif.

α 310 **α 516** **α 830**

PARAMETER	P/N 28547	P/N 28548	P/N 28549
Sensitivity (cph)	10	16	28
Radon	☑	☑	☑
Temperature		☑	☑
Humidity		☑	☑
Barometric Pressure		☑	☑
Report in pCi/L and Bq/m^3	☑	☑	☑
Radon Management Cloud	☑	☑	☑
Rechargeable Battery	☑	☑	☑
Available in Rental Program			☑
Internal Storage for 5 Tests	☑	☑	☑
Max. Storage: 5,200 Hourly Data Sets*	☑	☑	☑

*There is a maximum of 2,300 hourly data sets *for a single test*. The device is also capable of storing a maximum of 5,200 data sets. The intended use of the RadStar Alpha continuous radon monitors is to perform and report short term radon tests with 2-10 day durations.

Accessories

Single Device Carrying Case
without tripod
p/n 28571

Two Device Carrying Case
with two tripods
p/n 28572

Tripod
p/n 28553

USB-C Cable & Wall Charger Kit
p/n 28574

RadStar Alpha CRMs and Accessories can be purchased by calling (800) 767-3703 or on radonaway.com.

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