

CORENTIUM HOME 2

Smart digital radon detector



The most trusted digital radon detector in the world. Now even smarter.

In 2011, Airthings revolutionized home radon detection with Corentium Home, setting the benchmark for reliable, continuous monitoring. Corentium Home 2 builds on that legacy, offering the same trusted accuracy with the added advantage of smart connectivity with the Airthings app¹. The app's interactive graphs make it crystal-clear how radon gas is impacting your home, along with personalized advice to help you determine if action is needed and what steps to take.

With an Airthings Hub² device, you can connect your Corentium Home 2 for 24/7 access to real-time readings and timely alerts, no matter where you are. Clear GOOD, FAIR, or POOR indicators on both the app and device make it easy to understand your radon levels at a glance. Built-in temperature and humidity sensors provide deeper insights into the environment you're monitoring.

The enhanced user experience of Airthings' next-generation radon detector helps you go beyond the numbers and access dynamic, easy-to-understand information and analysis to better understand the risk and how radon gas is impacting your home with practical, personalized advice.

Key features and benefits

TAILORED INSIGHTS & TIPS

The Airthings app offers personalized guidance based on your home's radon trends. Learn what actions you can take to reduce radon levels and the associated health risk.

TRUSTED RADON TECHNOLOGY

Corentium Home 2 uses proven radon sensor technology developed by Airthings engineers, recommended by radon professionals and trusted by over half a million homeowners.

TEMPERATURE & HUMIDITY

Keep tabs on the ambient conditions that affect both personal comfort as well as the safety of your belongings. Browse graphs and set notifications in the Airthings app.

PORTABLE & BATTERY-OPERATED

The compact design makes it simple to place wherever you want to measure radon. Just reset it when you want to measure in another room or home.

QUICK & EASY SETUP

Just pull the battery tab to start measuring radon. Then, download the free Airthings app, create your account and connect your device. Smart can be simple.

ANYTIME ACCESS

Corentium Home 2 fits into your Airthings smart home. If you have an Airthings View monitor or Hub, connect to get 24/7 access to your up-to-date radon readings.

Product identification (Model 325)

US & EUROPE

EAN: 7090031103255

UPC: 854232008675

SKU: 3250

Device serial number: 325xxxxxx

CANADA

EAN: 7090031103262

UPC: 854232008989

SKU: 3253

Device serial number: 3253xxxxxx

¹ Connectivity with the app is not required but some features are available only when used as a connected device.

² Airthings hub devices include Airthings Hub and any View series monitor.

Product features

SENSORS	Radon, temperature, and relative humidity.
LCD SCREEN	After 30 days, offers a total of 6 views of data: 24h, 7d, 30d, and long-term (up to 1y) radon averages, plus temperature and humidity. After 5 minutes of inactivity, the detector screen will default to the long-term radon average.
TOUCH BUTTON	Touch button below LCD screen lets you cycle through the available views.
PORTABLE	Powered by 2 AA batteries. To start a new measurement in a new location, use the Start new measurement button inside the battery compartment or use the app.
HANG LOCK	For hanging the detector. With the back cover open, thread a string through the hang lock and close the back cover to lock it in place.
WARRANTY	Purchase from an authorized dealer includes a standard warranty explained here . A free 5-year warranty is also available. Just register your device here on the Airthings website within 30 days of purchase.
CONNECTIVITY	Bluetooth connectivity with the Airthings app. Press the Bluetooth button inside the back cover to activate the signal to add the device to your Airthings app account. Airthings SmartLink connectivity also available for linking with an Airthings hub device.
UNITS	By default, the device is set to pCi/L for radon and °F for temperature. Press the Units button inside the back cover to change radon units to Bq/m ³ and temperature units to °C.

Product specifications

BATTERIES	2 AA batteries (included) Estimated life ³ (unconnected): Up to 3 years Estimated life (Bluetooth connected): Up to 2 years Estimated life (SmartLink connected): Up to 3 years
SCREEN	Liquid Crystal Display (LCD) Dimensions (W x L): 1.73 x 1.73 in (44 × 44 mm)
PLACEMENT	For indoor use only. Never use it outdoors. Exposure to an environment with more than 85% humidity can damage the radon sensor, degrade the screen quality and be cause for voiding the warranty. Place it on the lowest floor of the home where radon makes its way indoors. Or place it in living areas where people in the home spend the most time. Do not expose the device to direct sunlight or moisture. Place it more than 20 in (50 cm) above floor level, and at least 60 in (150 cm) from the nearest door, window or air vent. Avoid moving the unit during measurement. Lay it flat or hang it by a fine thread using the integrated hang lock.
PRODUCT SPECIFICATIONS	Weight: 5.08 oz (144 g) (with batteries) Dimensions: 2.40 x 1.14 x 4.45 in (61 x 29 x 113 mm)
PACKAGE SPECIFICATIONS	Weight: 6.46 oz (183 g) Dimensions: 3.03 x 1.46 x 4.92 in (77 x 37 x 125 mm)
PACKAGE CONTENTS	Digital radon detector, 2 x AA alkaline batteries (installed), Quick start guide, Regulatory information booklet, Silica bag

³ Firmware updates may have slight impacts to battery life. Stated estimates for general guidance only.

Sensor specifications

The recommended operating environment is from 39°F to 104°F (4°C to 40°C) and with humidity below 85% (non condensing).

RADON	Sensor sampling interval: 60 minutes Radon sampling: Passive diffusion chamber Detection method: Alpha spectrometry Measurement Range: 0-9999 Bq/m ³ or 0-250 pCi/L Accuracy/Precision within 10%: 4 days at 10 pCi/L (370 Bq/m ³) 7 days at 5.4 pCi/L (200 Bq/m ³)
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TEMPERATURE	Sensor sampling interval: 5 minutes Typical temperature accuracy $\pm 0.5^{\circ}\text{C}$ / $\pm 1^{\circ}\text{F}$
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HUMIDITY	Sensor sampling interval: 5 minutes Typical humidity accuracy: $\pm 3\%$ RH
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Connectivity requirements

Corentium Home 2 can be used as a standalone device without any wireless connectivity. However, it is equipped with both Bluetooth LE (Low-Energy) and Airthings SmartLink to make it possible to tap into rich, detailed graphs and remote access through the Airthings smart home system.

BLUETOOTH LE Airthings App	Connectivity via Bluetooth LE with Airthings app - available for iOS and Android. Requires an Internet-connected smartphone or tablet with one of the 3 latest major versions of iOS or Android, supporting Bluetooth 4.2 or later. BLE radio specifications: Output power: <5 mW Frequency Range (MHz): 2400.0 - 2483.5
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SMARTLINK Airthings Hub	Connectivity via SmartLink, the long-range, lightweight proprietary Airthings device-to-device communications protocol. Corentium Home 2 can be enabled for WiFi connectivity by connecting via SmartLink to an Airthings hub, available in View monitors or the Airthings Hub device. Airthings SmartLink radio specifications: Output power: <25 mW Frequency range (MHz): Europe 868 - 870, North America 902-928
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