



# Corentium Pro by Airthings

## DOWNLOADS



Corentium Pro, a favorite among home inspectors and professionals. Fully AARST-NRPP certified for the North American market and beyond, this professional radon detector will be a reliable workhorse for decades.

## SPECIFICATIONS

**Radon sampling:** passive diffusion chamber

**Detection method:** alpha spectrometry

**Detector:** 4 silicon photodiodes in 4 distinct radon chambers

**Diffusion time constant:** 25 min

**Measurement range:** 0 - 50 000 Bq/m<sup>3</sup>

**Sensitivity:** ~100 cph at 1000 Bq/m<sup>3</sup>

**Sampling rate:** 1 hour

### Operation environment

- 4°C to 40°C
- 5% RH to 85% RH non-condensing
- 50 kPa to 110 kPa

## LONG BATTERY LIFE

Approximately 1.5 year of continuous monitoring

Comes with replaceable AA batteries

## ADDITIONAL INFORMATION

### PACKAGE CONTENTS

Radon detector  
3 x alkaline batteries type AA (LR06)  
2x quick start guides (CRA and Detector)  
Memory Stick w/software  
1x USB-cable (mini-B Plug to Type-A plug)  
Torx6 Key L shape  
Calibration certificate  
Protective casing

### PACKAGE

Weight: 1500g  
Dimension: 307x255x105 mm

### PRODUCT CODES

EAN: 7090031102364  
SKU: 236  
GLN: 7080003872449

### DETECTOR

Dimensions: 140x140x30 mm  
Weight: 325g (with batteries)  
Housing: ABS plastic

### OTHER

Tampering detection (moving device)  
Factory calibrated  
Control: 1 push-button re-start

## ENVIRONMENTAL SENSORS

**Temperature:** 0.2°C resolution, ± 1°C accuracy

**Humidity:** 0.5% RH resolution, ± 4.5% accuracy

**Barometric pressure:** 0.002 kPa resolution, ± 1 kPa accuracy

## MEMORY

Internal memory stores 5 years of data

**Capacity:** ~ 1900 days of measurement

- 5 data sets of one year length
- 177 data sets of 1-week length
- 325 data sets of 2-days length

**Memory type:** non-volatile flash memory

## DATA & ACCURACY

Data accessible via Android or iOS app

Free reporting and analysis software for PC

**After 24 hours:**  $\sigma < 7\% \pm 5 \text{ Bq/m}^3$

**After 7 days:**  $\sigma < 5\% \pm 2 \text{ Bq/m}^3$