

Corentium Pro

by Airthings

DOWNLOADS



Corentium Pro, a favorite among home inspectors and professionals and fully AARST-NRPP certified for the North American, Canadian market and beyond.

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 - 2700 pCi/L
0 - 100 000 Bq/m³

Sensitivity: ~100 cph at 27 pCi/L

Sampling rate: 1 hour

Operation environment

39F to 104F / 4 to 40 °C

5% RH to 85% RH non-condensing

50 kPa to 115 kPa

LONG BATTERY LIFE

Approximately 15 months of continuous monitoring.

ADDITIONAL INFORMATION

PACKAGE CONTENTS

Radon detector

3 x alkaline batteries type AA (LR06)

1x Corentium Pro Manual

1x USB-cable (mini-B Plug to Type-A plug)

Torx6 Key L shape

Calibration certificate

Protective casing

PACKAGE

Weight: 53 ounces / 1500g

Dimension: 12.1x10.0x4.1 inches
307x255x105 mm

PRODUCT CODES

EAN: 7090031102364

UPC : 854232008040

SKU: 236

GLN: 7080003872449

DETECTOR

Dimensions: 5.5 x 5.5 x 1.2 in
140 x 140 x 30 mm

Weight: 10.6 ounces / 300g (with batteries)

Housing: ABS plastic

OTHER

Tampering detection (moving device)

Factory calibrated

Bluetooth communication

ENVIRONMENTAL SENSORS

Temperature: 0.36°F resolution, ± 1 °F (typical), ± 2 °F
0.2°C resolution, ± 1°C accuracy

Humidity: 0.5% RH resolution, ±4.5% accuracy

Barometric pressure: 0.06kPa 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 mobile app and Pro Dashboard.

After 24 hours: $\sigma \sim 7 \% \pm 0.15 \text{ pCi/L}$
 $\sigma \sim 7 \% \pm 5 \text{ Bq/m}^3$

After 7 days: $\sigma \sim 5 \% \pm 0.06 \text{ pCi/L}$
 $\sigma \sim 5 \% \pm 2 \text{ Bq/m}^3$