

## Datasheet

# RadonTec AlphaSniffer

The **AlphaSniffer** is compact and light-weight radon detector, ideal for radon remediation. It can be used as a stand alone radon sniffer, with a simple one button interface and an OLED display. It can also connect to “Radon Sniffer” app using Bluetooth Low Energy, and work as a tethered device, sending data to a smartphone application. Its compact form factor and long battery life make it a convenient and easy to use radon detector.

### Indicated Use

Radon remediation

### Measurement Units

User selectable (Bq/m<sup>3</sup> or pCi/L)

### Lower Limit Of Detection

37 Bq/m<sup>3</sup> (1 pCi/L)(Sniff mode running for 30 minutes)

### Recovery Time

Recovers from high radon exposures to 5% peak value in 5 minutes

### Local Controls

One push button to toggle screens and one power switch to turn on/off detector

### Battery

4400mAh Li-Ion battery pack

### Operation Hours

19 Hours

### Air Pump

Approximately 500 mL/min

### Dimensions (Unit)

11.5 × 8.5 × 11 cm Weight: 510g

### Detector

Scintillation cell and Silicon Photomultiplier

### Sensitivity

1 CPM = 28 Bq/m<sup>3</sup> (0.75 pCi/L)

### Response Time

15 seconds or 5 minutes

### Local Display

3.2 x 1.8 cm OLED. Font size automatically adjust to display as many digits as needed

### Wireless Communication

Bluetooth Low Energy connecting to Radon Sniffer app

### Operation Voltage

3.7V

### Charger

5V, approximately 16 hours charging time

### Scintillation Cell Volume

0.30L

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#### Features:

- Compact, Lightweight Radon Sniffer
- Fast Response
- Single-Button Local Operation
- Connects to Radon Sniffer app by Bluetooth Low Energy (BLE)
- Uses Silicon Photomultiplier (SiPM) technology
- Rich User Interface Provided by Smartphone Display
- Can Log Data to the Smartphone

