



Environmental
Instruments
Canada Inc.

CT007-R

Extremely Fast Radon Detector

Features

- Compact, Lightweight Radon Sniffer
- Fast Response in 15 seconds
- Single-Button Local Operation
- Connects to Radon Sniffer app via Bluetooth Low Energy (BLE)
- Uses Silicon Photomultiplier (SiPM) technology
- Rich User Interface Provided by Smartphone Display
- Can Log Data to the Smartphone



Introduction

The CT007-R 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.



For more information please visit:
www.radonsniffer.com or contact
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SPECIFICATIONS

INDICATED USE: Radon remediation

DETECTOR: Scintillation cell and Silicon Photomultiplier

MEASUREMENT UNITS: User selectable (Bq/m^3 or pCi/L)

SENSITIVITY: 1 CPM = 28 Bq/m^3 (0.75 pCi/L)

LOWER LIMIT OF DETECTION: 37 Bq/m^3 (1 pCi/L)
(Sniff mode running for 30 minutes)

RESPONSE TIME: 15 seconds (for “SHORT” reading) and
5 minutes (for “LONG” readings)

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

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

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

WIRELESS COMMUNICATION: Bluetooth Low Energy
connection to *Radon Sniffer* app.

BATTERY: 4400mAh Li-Ion battery pack

OPERATION VOLTAGE: 3.7V

OPERATION HOURS: 19 Hours

CHARGER: 5V, approximately 16 hours charging time

AIR PUMP: Approximately 500 mL/min

SCINTILLATION CELL VOLUME: 0.30L

DIMENSIONS (Unit): $11.5 \times 8.5 \times 11 \text{ cm}$ ($4.5 \times 3.3 \times 4.3$
in.)

Weight: 510g (1.12 lb)