Active Carbon Adsorption Radon Meter

This active carbon adsorption radon meter accurately measures radon concentration using active carbon adsorption technology. It features data storage, replay functions, a USB communication port, and a special active carbon catching device.

Product Overview

Precision Radon Measurement

The Active Carbon Adsorption Radon Meter is a specialized instrument designed for the accurate measurement of soil radon concentration and radon exhalation rates. It is an essential tool for identifying radioactive anomalies and conducting environmental appraisals. Built for reliability and portability, this device provides the high-sensitivity data required for professional environmental monitoring and research applications.

Measurement Capabilities

Radon Concentration Range

100 Bq/m³	100000 Bq/m³
Min Concentration	Max Concentration

Radon Exhalation Rate Range

0.001 Bq/m²·s	1 Bq/m²·s
Min Rate	Max Rate

Performance Specifications

Technical Performance Metrics

Metric	Value
Sensitivity	e1.5s{¹ (Bq/L){¹
Energy Valve	50 keV
Non-linearity	d10%
Repetition	d10%
Stability	d5%

Operational Environment

Operating Conditions

- Temperature: 0°C to 40°C
- Humidity: d90% (at 40°C)

Physical Dimensions

Dimensions and Weight

Component	Size	Weight
Outside Surface Unit	34cm x 15cm x 20cm	25 kg
Control Panel	50cm x 31cm x 22cm	1.5 kg