

Radon Survey Water Detector

The Radon Survey Water Detector is designed for precise measurement of radon levels in water samples. It is crucial for environmental monitoring and ensuring water safety.



Product Overview

High-Precision Radon Detection

The DSHD-3017A is an advanced radon survey meter designed for quantitative measurement of radon concentration in soil and water. Utilizing static collection of radon decay progeny, it offers high sensitivity and rapid site results, often completing measurements in as little as 3 to 5 minutes. This portable instrument is engineered for durability and reliability, making it an essential tool for geological prospecting, environmental monitoring, and seismic forecasting.

Technical Specifications

| | |
|-------------------------------|----------------------------------------------|
| Limit Exploration Sensitivity | 0.1 Bq |
| Detector Type | Au-Si surface barrier semiconductor detector |
| Detector Area | 531 mm ² |
| Detecting Efficiency | e40% |
| Background | dφpulse/h |

Operational Features

Key Operational Features

- No detector pollution problems
- No radon emanation effect
- High sensitivity
- Rapid site result generation
- Electricity drop protection function

| | |
|-----------------------|---------------------------------------------------------------------------------------|
| Timing Shifts | 0min (Manual), 0.5min, 1min, 2min, 3min, 4min, 5min, 6min, 10min, 15min, 25min, 30min |
| Data Storage Capacity | 300 |

Environmental Performance

| | |
|-------------------|----------------|
| Temperature Range | -10°C to +40°C |
| Relative Humidity | 95 % |

Physical Dimensions

Physical Specifications

| Component | Dimensions (mm) | Weight (kg) |
|-----------------|-------------------|-------------|
| Operation Panel | 210 x 97 x 156 | 2.3 |
| Air Pump | 540 (L) x 103 (D) | 3.3 |

Power Supply

| | |
|-------------------|------------------|
| Power Supply | 3 x 1# batteries |
| Power Consumption | 400 mW |