

# Automatic Natural VLF Water Detector

This fully automatic natural VLF water detector is designed for geophysical exploration and hydrogeological surveys. It utilizes the natural electromagnetic field to detect underground water sources.



## Overview

### Advanced Geophysical Exploration

The Automatic Natural VLF Water Detector is a high-performance instrument designed for efficient groundwater exploration and geological surveying. Utilizing the natural electromagnetic field of the earth, it offers rapid, accurate detection of water sources, mineral deposits, and geological anomalies. Its lightweight, portable design and advanced anti-jamming technology make it an essential tool for field professionals seeking to optimize survey speed and success rates.

## Key Features

### Common Applications

- Underground water detection
- Drinking water source mapping
- Agricultural irrigation surveys
- Metal and non-metal ore prospecting
- Engineering geological prospecting
- Archaeological mining
- City exploration

### Advantages

High Accuracy, Fast Speed, Anti-Jamming, Stable Data, Portable, Simple Operation

## Technical Specifications

### Measurement Performance

**0.001 mV**

Minimum Resolution

**50 M $\Omega$**

Input Impedance

**355 mV**

Max Measuring Range

### Physical Dimensions

Parameter	Value
Weight	2.5 kg
Dimensions	31cm x 23cm x 10.8cm

### Operating Environment

Condition	Range
Temperature	-10°C to +50°C
Humidity	95%

### Accuracy

- Voltage accuracy:  $\pm 1\% \pm 1\text{LSB}$
- Currency accuracy:  $\pm 1\% \pm 1\text{LSB}$

### Power Supply

Large capacity chargeable lithium batteries