

# 150m Underground Water Detector

This water detector is designed for identifying underground water sources up to 150m deep. It analyzes the intensity of natural electrical fields to determine the position and depth of underground water.



## ADDITIONAL IMAGES



## Overview

### Advanced Hydrogeological Detection

The DSHT-1S is a high-efficiency, multi-function natural electrical field detector designed for rapid subsurface analysis. Significantly lighter and faster than traditional DC electrical detectors, it offers an 8x increase in measurement speed and an 8x reduction in instrument weight. It is an essential tool for identifying underground water position, depth, flow direction, and yield, ideal for drinking, industrial, and agricultural water sourcing.

## Performance Metrics

### Detection Depth

**150 m**

Maximum Depth

### Measuring Range

255 mv

### Measuring Channels

6

## Technical Specifications

### Measuring Frequencies

- 4900
- 3300
- 2000
- 600
- 300
- 170

Input Impedance	e1M $\Omega$
Power Frequency Suppression	>60dB
A/D Switch	12 Bits 1Msps

## Power & Environment

Power Source	DC7.4V 5200mAh lithium battery
Power Consumption	200 mA
Operating Temperature	-10 to +50

## Physical Attributes

Dimensions	28 x 23 x 12 cm
Weight	2.6 kg

## Applications

Primary Applications	Underground Water Detection, Drinking Water Sourcing, Industrial Water Sourcing, Agriculture Water Sourcing, Hydrogeological Surveys
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