OH TYMWT™

Mobile Water Detector TYM-P Series

Introduction

TYM-P Series Mobile Water Detector utilizes natural electric fields as its working source, based on the electrical conductivity differences of underground rocks or groundwater, measuring the electric field components of different frequencies on the ground. By studying their changing patterns, it investigates abnormal changes caused by different geological bodies to solve geological problems. This method of electrical prospecting eliminates the need for a cumbersome power supply system by using the earth's natural electric field, thereby simplifying operation and making the instrument lightweight. The data collected by the instrument is transmitted to a mobile phone via Bluetooth, where a unique computation function in the mobile APP automatically generates curve and profile diagrams. These diagrams provide clear insights into the geological layer structure, allowing for quick determination of water levels (aquifers) and other specific information.

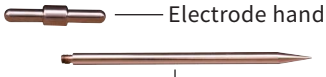
Component

Host

Bag


Antenna


Cable


Electrode handle*2

Electrode rod*2


Global conversion plug


Host Strap


DC 8.4V Charger


USB flash drive

Advantages

- No registration is required, it's ready to use upon connection.
- There's no need for internet or data usage.
- Automatically generates geological curve and profile diagrams.
- Suitable for various terrain explorations and water source searches.
- Expert remote assistance for well site determination.
- Individuals with no experience can operate it within 5 minutes.

Specifications

Model	TYM-80P	TYM-160P	TYM-320P
Depth Option	80m	160m	320m
Channels	2	4	6
Measuring Range	0mV~1000mV (automatical switches range)	Measure Unit	different frequency components of the electromagnetic

Minimum Resolution	0.001mv	Measure Frequencies	30 Frequencies	Input Impedance	⩾10MΩ
A/D Conversion	8 bits 1Msps	Operating Environment Temperature	-20°C~+50°C	Power	≈1W
Channel Gain	1~20thousand times	Charging Time	8 hours	Standby Time	30 hours
Cable	10m	Host Size	136mm*135mm*46mm	Host N.W.	0.4kg