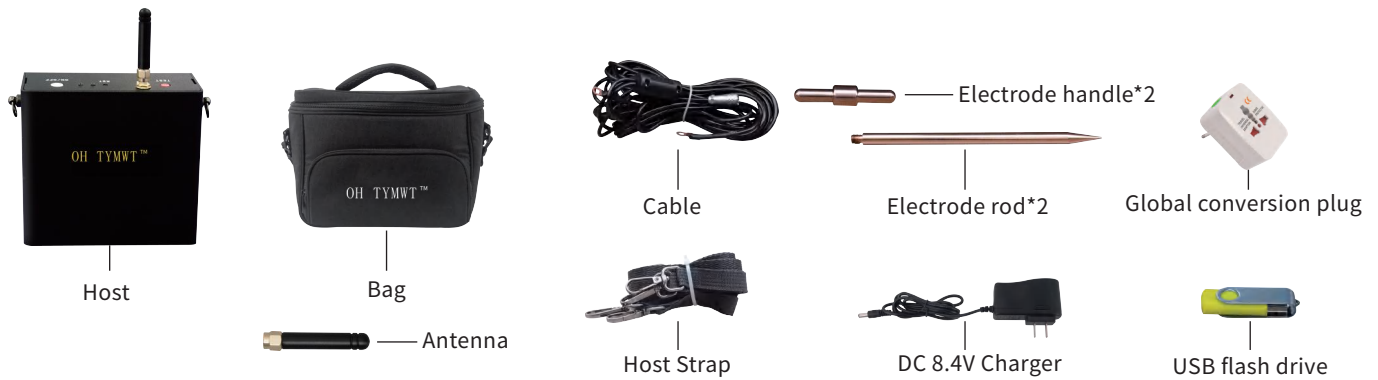


# Mobile Cavity Detector **TYM-K Series**

## Introduction ▶▶

TYM-K series Mobile Cavity Detector utilize the natural electric field as the working source, based on the electrical conductivity differences between underground rock ore and groundwater. They measure the electric field components of N different frequencies on the ground surface, studying the abnormal changes caused by various geological bodies according to their variation patterns, thereby solving geological problems through an electrical exploration method. This instrument utilizes the natural earth electric field without the need for artificial electric fields, thus eliminating the cumbersome power supply system and achieving simple operation and a lightweight instrument. The data collected by the instrument is transmitted to a smartphone via Bluetooth, where it is processed by a unique calculation function in the smartphone APP to automatically display graphs and cross-sectional views. These views clearly reveal the geological layer structure, allowing for quick identification of voids (caves)

## Component ▶▶



## Advantages ▶▶

- No registration required, connect and use immediately
- No network or traffic required
- Automatically draw geological curve and profile
- Applicable to various terrain exploration and cavities (karst caves)
- Experts remotely assist in locating
- Inexperienced people can learn how to operate in 5 minutes

## Specifications ▶▶

Model	TYM-10K		TYM-30K		TYM-60K	
Depth Option	10m		30m		60m	
Channels	2		2		2	
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