COMMON APPLICATION SCENARIOS


Railway Industry


Trenchless Industry


Gas Industry


Surveying and Mapping Industry


Oil and Gas Field Industry


Water Industry


Communications and Power energy Industry


Municipal Industry

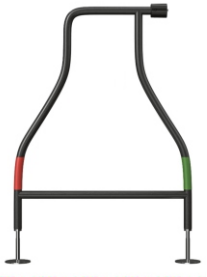
TC-700 pipeline detector is suitable for the cable checking, cable detection, cable patrol, management and maintenance of various underground pipelines in a trenchless manner, such as municipal planning and construction, power supply, tap water, fire pipelines, optical cables and pipeline path detection, providing precise positioning and accurate data for engineering personnel.

OPTIONAL FUNCTIONS









Obstacle detection and location	In conjunction with the A-frame, it enables precise location of cable grounding faults
Stethoscope	It can replace flexible coils for cable identification
Non-metallic tubing Path detection	Optional tracer probe for path detection of non-metallic pipes

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Excellent China Maker

TC-700 PIPELINE DETECTOR



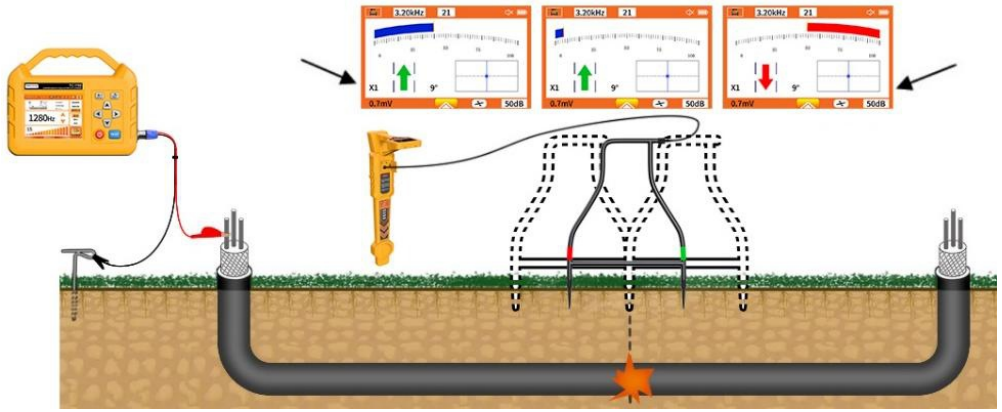
CABLES/PIPES PATHFINDER

Product Introduction

The TC-700 pipeline detector is for underground pipelines, including power cables, communication optical cables, railway control cables, gas pipes, oil pipelines, water pipes, municipal water supply and drainage pipes, etc. It provides pipeline ground fault location, pipeline path depth detection, cable identification, cable identification and management, emergency repair and maintenance service.

RECEIVER SPECIFICATIONS

Functions	Pipeline detection (location, direction, depth, current), cable identification, probe location, ground fault location
Power	7.4V DC 6400mAh rechargeable lithium battery
Input Method	Built-in coil; external flexible clamp or A-frame
Receiving Frequencies	Active: Active detection frequency: 128Hz, 512Hz, 577Hz, 640Hz, 1024Hz, 1280Hz, 2.56kHz, 3.20kHz, 4.09kHz, 8.19kHz, 9.80kHz, 10kHz, 33kHz, 66kHz, 82kHz, 83.1kHz, 133kHz, 201 kHz (The four frequencies of 640Hz, 1280Hz, 2.56kHz and 3.20kHz have directionality, and the receiver can identify the direction of the signal) , Power frequency passive detection frequencies: 50Hz, 60Hz
Detection Modes	Wide peak, narrow peak, sound valley
Display Modes	Classic positioning, full-screen signal, signal curve, probe mode
Detection Range	Direct connection: 0–20km; Coupling method : 0–10km; Induction method: Suitable for cables buried ≤2m depth
Depth Accuracy	±5% (0–3m) to ±15% (3–20m) ±5%(Burial Depth 0-3m)-15% (Burial depth3-20m)
Audio Indication	FM tone varies with signal strength
Interference Distance	Pipelined etection: Coulping method ≥5m; Induction ≥20m from transmitter
Cable Identification	Coulping method ≥5m from transmitter
Cable Identification	1–10 cables; identification valid if current is 75%–135% of reference, The transmitting clamp,receiving clamp and loading signal must be in the same direction
Display	4.3" color LCD with touch support
Size / Weight	311×133×750 mm; 2.0 kg
Charger	DC 8.4V, 1A
Interfaces	USB, DC, Type-C, Flexible clamp socket



TRANSMITTER SPECIFICATIONS

Functions	Multiple frequency signal transmission methods for Pipeline path detection, cable identification, and fault location
Power	11.1V DC 12800mAh rechargeable lithium battery
Output Modes	Direct output, Induction ,Clamp coupling
Output Frequency	128Hz,512Hz,577Hz,640Hz,1024Hz,1280Hz,2.56kHz,3.20kHz,4.09kHz, 8.19kHz,9.80kHz,10kHz,33kHz,66kHz,82kHz,83.1kHz,133kHz,201kHz
Output Power	Max 15W; 15 levels adjustable; fully automatic real-time Impedance matching
Display	5.6" capacitive touch LCD screen
Size / Weight	259×211×105 mm; Transmitter 3.0kg; Clamp 1.12kg
Charger	DC12.6V,1A
Launch clamp Size	L250mm*W140mm*H35mm, Φ150mm of inner diameter
Connecting interfaces	USB, Type-C, DC, Signal transmitter pliers and DC test lead connect to the socket
Withstand Voltage	AC 3700V /RMS
Electromagnet ic characteristics	IEC61326(EMC)

STANDARD PACKAGE LIST

1.Receiver with capacitive touch LCD screen
2.Transmitter OEM with capacitive touch LCD screen
3.Flexible current clamp
4.Launch clamp
5.Grounding wire clamp
6.Charger and adapter
7.Grounding pin
8.User guide

