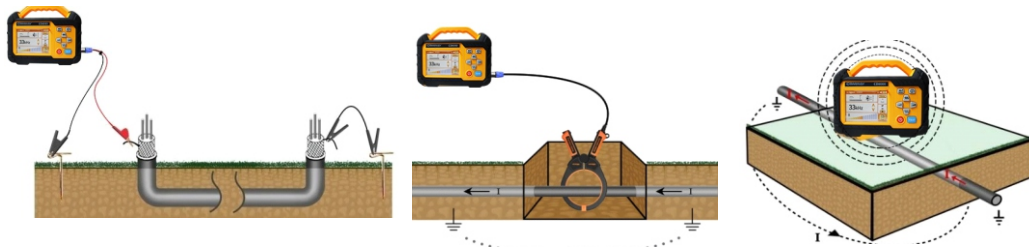


SIGNAL TRANSMISSION METHODS



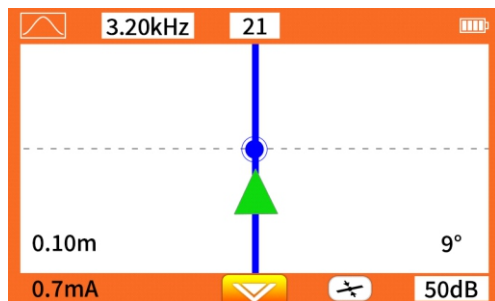
Direct Connection

Clamp Coupling

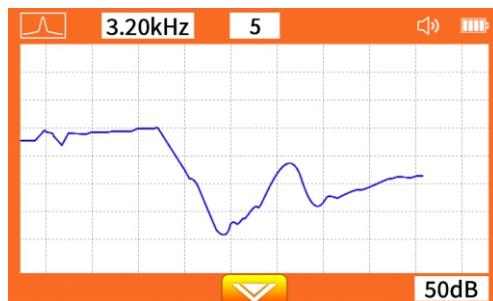
Induction.

The transmitter features three signal transmission methods: Direct Connection, Clamp Coupling, and Induction. Depending on the signal application method and on-site interference conditions, the instrument offers 18 active frequencies and 2 passive frequencies, covering low, medium, and high frequency bands. This ensures robust anti-interference performance and enhances the device's multi-frequency testing capabilities.

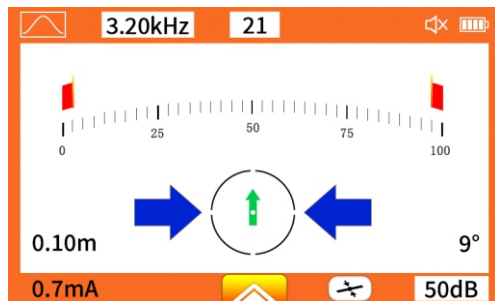
RECEIVER DETECTION MODES



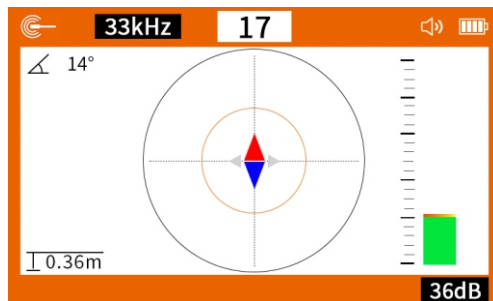
Full-Screen Signal Mode



Signal Curve Mode



Classic Positioning Mode



Tracer Probe Mode

The Full-Screen Signal Mode, Signal Curve Mode and Classic Positioning Mode are suitable for path detection of metal pipelines.

The tracer probe mode is used to locate the tracer probe and can be used with a pipe cleaner/threader to detect the path of non-metallic pipes.

COMWAY
TECHNOLOGY

CD8000 PIPELINE DETECTOR



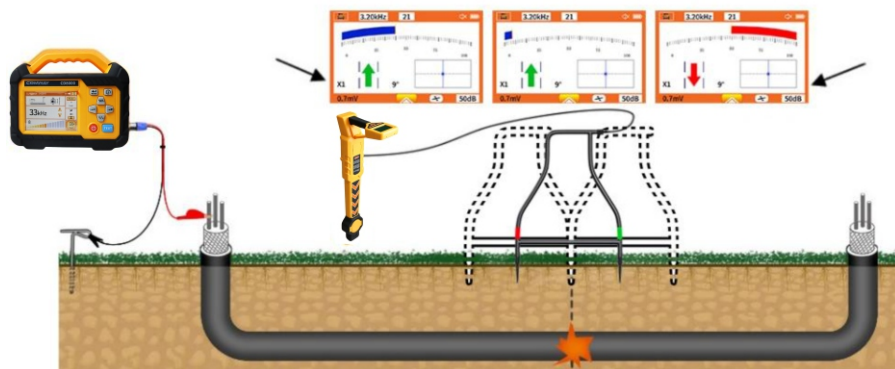
CABLES/PIPES PATHFINDER

Product Introduction

COMWAY CD8000 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, 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: Coupling method ≥5m; Induction ≥20m from transmitter
Cable Identification	Coupling 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	L250*W140*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
Electromagnetic characteristics	IEC61326(EMC)

STANDARD PACKAGE LIST

1. Receiver with capacitive touch LCD screen
2. Transmitter 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

