

HF-CH-207

Underground Utility Locator



This portable Underground Utility Locator precisely locates various buried underground cables, metal pipelines and utilities. It can display pipeline depth, direction and path clearly, effectively avoiding underground facilities damage during municipal engineering and construction work.

Key features

- All-in-one functions for the cable and pipeline locator: pipeline tracing, cable identification, and fault locating with A-frame.
- Color screen with compass display: enables intuitive visualization of underground pipelines.
- Ultra-high receiving sensitivity with 2Hz ultra-narrow bandwidth, delivering outstanding anti-interference capability.
- Tracing validity prompt function to eliminate interference from adjacent pipelines.
- Enhanced depth measurement: real-time and accurate calculation of pipeline buried depth.

Technical specifications

Parameter	Value
Output Modes	Direct connection, clamp coupling, radiation induction, fault locating booster
Output Frequencies	640Hz, 1280Hz, 8kHz, 33kHz, 82kHz, 197kHz
Max Output Power	15W, adjustable in 10 gears
Impedance Matching	Fully automatic
Protection Functions	Automatic overvoltage & overcurrent protection
Display Screen	320×240 dot matrix monochrome LCD
Built-in Battery	Lithium-ion battery pack, rated 7.4V, capacity >6Ah
Charger Input	AC 100-240V, 50/60Hz
Charger Output	DC 8.4V, 2A
Overall Dimension	280×220×90mm
Weight	2.3kg
Ingress Protection	IP65
Operating Conditions	-25°C ~ 60°C, relative humidity <90%, altitude <4500m
Receiving Accessories	Built-in coil, flexible clamp, stethoscope, A-frame
Detection Modes	Wide peak, narrow peak, valley value, history curve, spectrum analysis
Active Receiving Frequencies	640Hz, 1280Hz, 8kHz, 33kHz, 82kHz, 197kHz
Passive Frequency Bands	50/60Hz power frequency, 4-24kHz radio frequency
Display Screen	320×240 dot matrix color LCD, sunlight readable
Built-in Battery	Lithium-ion battery pack, rated 7.4V, capacity >3Ah
Charger Input	AC 100-240V, 50/60Hz
Charger Output	DC 8.4V, 2A
Overall Dimension	680×120×277mm
Weight	2.0kg
Ingress Protection	IP65
Operating Conditions	-25°C ~ 60°C, relative humidity <90%, altitude <4500m

Standard scope of supply

No.	Item	Qty	Notes
1	Main Transmitter Unit	1 Set	High-power digital amplifier, automatic impedance matching
2	Smart Color Screen Receiver	1 Set	Built-in compass, depth detection & spectrum analysis
3	A-Frame Fault Detector	1 Pc	For step voltage & cable insulation fault locating
4	High-performance Transmitting Clamp	1 Pc	Couple signals for live running cables
5	Flexible Identification Clamp	1 Pc	Unique cable identification and current measurement
6	Depth Auxiliary Sensor	1 Pc	Signal distortion reminder for accurate depth testing
7	Special Test Wires & Connecting Cables	1 Set	Support direct connection & induction testing
8	Special Power Charger	1 Pc	For transmitter and receiver lithium battery charging
9	English Operation Manual	1 Copy	Complete operation & maintenance guidance
10	Calibration Certificate & Quality Certificate	1 Set	For project acceptance
11	Warranty Card	1 Copy	Official after-sales guarantee
12	Shockproof Portable Carrying Case	1 Pc	IP65 protection, convenient for storage and transport

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.