



Product Name	GAOTek Underground Cable Tracer and Pipe Locator
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Product Overview:

GAOTek presents Underground Cable Tracer and Pipe Locator, a state-of-the-art innovation that can be used across many location industries. It is built to transcend high level of performance, quality and durability. Designed in high impact ABS injection molded housing with IP65 protection. Sophisticated antenna design with high sensitivity, backed by internal digital processing and advanced algorithm, helps pin-point location work faster and more efficient. Li-ion rechargeable battery pack, no need to buy batteries constantly and reduce



daily cost.

Over time, infrastructures build up are becoming more complex which requires locate professional great level of expertise to carry out duty. But with this locator, it simplifies complexity starting from its intuitive user interface which help users to distinguish pipeline position, obtaining visual compass direction and real-time depth measurement on the ICD screen. Both transmitter and receiver are equipped with Li-ion rechargeable battery park which helps to prolong operation making work more efficient.

1. Product Application:

These locators are designed to identify and trace the route of buried cable and metallic pipe including its depth measurement under-ground before excavation work for maintenance. This locator is also capable to locate ground fault or sheath fault using optional accessories.

2. Product Advantages:

- Compass and direction indication: Visual position of cable/pipeline and left/right direction, essential information is easily visible.
- indication for correct/wrong tracing: current direction test to eliminate adjacent cable interference.
- Real-time depth and current test display on the LCD screen.
- High-power transmission, high sensitivity reception make locating speed faster.
- Digital processing, ensure the location stable and reliable.
- High impact ABS injection molded housing with IP65 protection, keep it safe.
- Flexible clamp for cable identification, result clear and reliable.
- High voltage output 1kV, A-frame mode detecting ground/sheath fault position(optional).





High impact ABS injection molded housing with IP65 protection

320*240 HD LCD screen with LED backlight

Up to 240V AC output protection

Light weight- Only 2.0kg including batteries

Digital power amplifier amplifies power output, automatic impedance matching, automatic protection



Built-in Li-ion rechargeable battery

Big membrane keypad made for outdoor use

Various signal output methods: direct connection, clamp coupling (optional), radiation



3. Product Parameters

Output	Direct connection, Clamp coupling (optional), Radiation
Output frequency	640Hz (Fault finding booster optional), 1280Hz (complex frequency), 10kHz, 33kHz, 82kHz,
Output power	Max 10W, 10 levels adjustable, auto impedance matching
Direct connection	Max 150Vpp
HMI	320x240 (mm) LCD
Power supply	4*built-in 18650 Li-on batteries, standard 7.4V, 6.8Ah
Electronic protection	Overload and short circuit protection
Receiver	
Input	Internal receiving loop, Soft clamp (optional), Twist stethoscope (optional), fault locating A-
Receiving frequency	Active detection frequency: 640Hz, 1280Hz, 8kHz, 33kHz, 82kHz, 197kHz.
	Power frequency passive detection frequency: 50Hz/60Hz and 250Hz/300Hz (user
	Radio frequency passive detection frequency bands: center frequencies are 10kHz, 33kHz,
Pipe detection mode	Wide peak method, narrow peak method, valley method
Cable identification	Soft clamp (optional) intelligent identification and twist stethoscope (optional)
HMI	320x240 (mm) LCD
Built-in battery	2 * 18650 Li-on batteries, standard 7.4V, 3.4Ah
Others	
Maximum depth	Cable / pipe: 30m
Dimension	Transmitter: 280(L) X 220(W) X 90(H) mm
	Receiver: 680(L) X 277(W) X 120(H) mm
Weight	Transmitter: Lightweight-Only 5.07lbs. ! 2.3kg including batteries
	Receiver: Lightweight-Only 4.4lbs. / 2.0kg including batteries
Charger	Input: AC 100-240V, 50160Hz
	Output: DC8.4V, 2A
Working environment	Temperature:-10-40 C
	Humidity: 5-90%RH
	Elevation: <4500m



4. Product Standard Accessories:

4.1 Transmitter Direct Connection Output Cable

Used to transmit the signal from the transmitter



4.2 Grounding rod

Auxiliary for safe grounding in the field or when the grounding is not good.



4.3 Transmitter Ground Extension Cable

For extending the field ground cable





4.4 Two Chargers

Transmitter and receiver can be charged separately





4.5 Transmitter Accessory Output Cable
For connecting transmitters and clamps to transmit signals



4.6 Transmit Clamp
Used to clamp the cable and transmit signals



5. Product Optional Accessories:

5.1 Frame
For detecting ground faults in pipelines and cables.



5.2 Troubleshooting Booster

Used to increase output voltage and do fault location with the A-frame used to identify the target cables from.



5.3 Miniature Twist Stethoscope

densely packed cables through the stethoscope method Used to receive the signals.



5.4 Receiver Soft Clamp
transmitted by the transmitter

