

GD-3134E Cable Identifier



GD-3134E is a set of high-performance special underground cable path detection and identification instrument, which is composed of signal transmitter and receiver. It can be used for path detection, depth measurement and pipeline survey of underground cables and metal pipelines. With a variety of optional accessories, it can carry out unique identification and find pipeline insulation damage and some types of cable faults.

Features

- Multiple functions: path detection + cable identification + A-frame troubleshooting.
- Color screen compass display: see through underground pipelines at a glance.
- Ultra-high sensitivity, 2Hz ultra-narrow bandwidth reception, high anti-interference.
- Prompt for correct and wrong tracking: eliminate the interference of adjacent pipelines.
- Enhanced depth measurement: real-time accurate depth measurement.
- Depth measurement auxiliary sensor: signal distortion reminder.
- Enhanced passive detection: power frequency + radio passive frequency measurement, which can display multiple pipelines at the same time.
- Passive detection spectrum analysis: eliminate interference frequencies.
- High-performance transmitting clamps: coupling signals to the running cable.
- Flexible clamp, unique identification of cables: convenient and highly reliable, and can be used for current measurement.
- Step voltage detection: find the insulation damage to the ground.
- Support customized frequency.
- High-power digital power amplifier transmission, automatic impedance matching, automatic protection.
- The transmitter has multiple signal output methods: direct connection output, clamp coupling, and radiation induction.
- Transmitting/receiving is all digital processing, stable and reliable.

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- Built-in large-capacity lithium-ion battery pack, automatic shutdown under voltage, and automatic shutdown if there is no operation for a long time.
 - IP65 high-grade protection.

Specifications

Transmitter

- Output modes: direct connection output, radiation induction, clamp coupling output, fault locating HV booster(optional).
- Output frequency: 640Hz, 1280Hz, 8kHz, 33kHz, 82kHz, 197kHz.
- Output power: Max.12W, 10 gears adjustable
- Impedance matching: fully automatic
- Overvoltage and overcurrent protection: automatic
- Man-machine interface: 320*240 dot matrix black and white LCD
- Power supply: built-in lithium-ion battery pack, nominal 7.4V, >6Ah
- Charger input: AC100-240V, 50/60Hz
- Charger output: DC8.4V, 2A
- Dimension: 280*220*90mm
- Weight: 2.3kg
- Protection: IP65
- Operating conditions: -25°C--60°C, <90%RH, <4500m


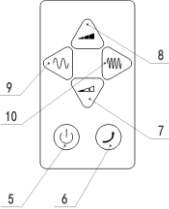
Receiver

- Receiving method: built-in coil, flexible clamp, stethoscope, A-frame
- Detection mode: broad peak, narrow peak, valley, historical curve, frequency spectrum
- Active frequency: 640Hz, 1280Hz, 8kHz, 33kHz, 82kHz, 197kHz
- Passive frequency band: 50/60Hz power frequency, 4-24kHz radio frequency
- Man-machine interface: 320*240 dot matrix color LCD, sunlight visible
- Power supply: built-in lithium-ion battery pack, nominal 7.4V, >3Ah
- Charger input: AC100-240V, 50/60Hz
- Charger output: DC8.4V, 2A
- Dimension: 680*120*277mm
- Weight: 2.0kg

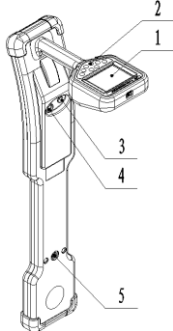
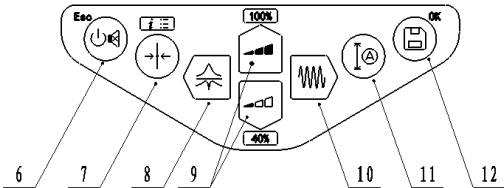
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Equipment configuration

Transmitter

	
<p style="text-align: center;">Transmitter overall</p>	<p style="text-align: center;">Transmitter keyboard</p>
<p>1. LCD display</p> <p>2. Keyboard</p> <p>3. Output socket</p> <p>4. Charging socket</p>	<p>5. Power ON/OFF</p> <p>6. Re-output key</p> <p>7/8. Output power reduction/increase key</p> <p>8/9. Frequency reduction/increase key</p>






Receiver

	
<p style="text-align: center;">Receiver overall</p>	<p style="text-align: center;">Receiver keyboard</p>
<p>1. LCD display</p> <p>2. Keyboard</p> <p>3. Charging socket</p>	<p>6. Switch/mute key (menu cancel Esc key)</p> <p>7. Calibration key (long press: menu entry and exit keys)</p>


4. Accessory input socket	8. Mode key (menu left key)
5. Depth measurement auxiliary sensor socket	9. Gain plus and minus keys (menu up and down keys)
	10. Frequency key (menu right key)
	11. Measure key
	12. Store key (OK key for menu confirmation)

Accessories

Standard accessories

No.	Name	Pictures and instructions	Qty.
1	Transmitting clamp		1
2	Receiving flexible clamp		1
3	Transmitter accessory output cable	 (Red 5-core plug)	1
4	Transmitter direct output cable		1
5	Grounding rod		2
6	Grounding extension cable		1
7	Charger	Two standard configuration, the transmitter and receiver can be charged separately	2

Optional accessories (Specify when ordering, unspecified default unselected)

No.	Name	Pictures and instructions	Remark
1	Receiver accessory connecting cable	 (Blue 6-core plug)	Ship with A-frame

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2	Troubleshooting booster		
3	Troubleshooting A-frame		
4	Depth measurement auxiliary sensor		
5	Stethoscope		