

SL-2818 Undergroud pipeline amperemetry detector



【Function and use】

The instrument can without digging overburden, quickly and accurately detect the precise location of underground pipes to a depth of coating and insulation leakage loss point is oil, chemical, oil, gas, water and electricity sectors a method of detecting instrument to ensure the construction quality inspection and maintenance inspection of the underground pipeline coating.

【Features】

- 1, using imported original high reliability switching power supply, charging the implementation of intelligent fast charge, without human control.
- 2, the instrument voltage, output current signal can be automatically converted.
- 3, DC power and AC power supply can be automatically converted.
- 4, high anti-jamming circuit for the census and maintenance of the distribution network.
- 5, liquid crystal display, improved performance and output precision instrument.
- 6, ad hoc protection automatic adjustment feature.
- 7, line modular structure, three anti-design, improve service life and reliability of field equipment.

【the key technical indexes】

(一) Transmitter technology index:

1. output power: 0.5~25W automatic control

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2. impedance matching: $0\sim 500\ \Omega$, automatic matching
3. Range: $0.03\sim 5$ km,
4. Power supply: 14.8V Military lithium batteries
5. Weight: 3.0kg (Excluding battery)
6. Size (mm) : 276×227×98

(二) Detector technology index:

1. sensitivity: 0.1mV
2. position deviation: ≤ 5 cm
3. depth: ≤ 5 m
4. Power supply: 9.6V Nickel hydrogen battery
5. Weight: 0.9 kg
6. Size (mm) : 165×110×68

(三) Leak detector technology index:

1. sensitivity: 0.1mV
2. detection accuracy: ≥ 0.25 mm²
3. Power supply: 9.6V Nickel hydrogen battery
4. Weight: 0.9kg
5. Size (mm) : 165×110×68

【Accessories】

explore pole、battery、detection line、outlet line、ground wire、ground rod、rasp、magnet、12.6Vcharger、9.6Vcharger * 2。

【Test principle and method】

Detecting the direction and depth of buried principles and methods: send a specific high-frequency modulation signal to determine the location of underground pipes underground pipeline, the direction and depth of the magnetic field detecting underground pipes.

Underground pipes to send a specific high-frequency modulation signal, in the underground pipeline coating damage point and the earth form a loop, radiation to the ground, just above the radiation damage in the strongest signal, according to this principle to identify the failure point of pipeline coatings .

A "body capacitance method", is to use the body to do the leak detector sensing element, when the leak members walked around the leak, the leak detector audible prompt when the leak came just above, the speakers sound best ring, showing the value of the maximum, so find the exact point of leakage loss.