

## **N6 Undergroud pipeline amperemetry detector**



**Recommend: identify and locate weaknesses in pipeline coatings**

### **【Characteristic】**

- 1、Adopt imported switch, intelligent charging
- 2、Instrument voltage、output current signal can automatically convert.
- 3、Automatic exchange for DC power and AC power supply
- 4、High anti interference circuit.
- 5、digital display, high-precision;
- 6、Automatic regulation.
- 7、Modular structure , Three-proofing design , long service life and reliability.

### **【The key technical indexes】**

(一) Transmitter technology index:

1. output power: 0~25W automatic control
2. emissive frequency:  $1K \pm 0.1HZ$
3. impedance matching: 0~500  $\Omega$  , automatic matching
4. Range: 0.03~5km,
5. Power supply: 12V Nickel hydrogen battery
6. working temperature:  $-10^{\circ}C \sim +50^{\circ}C$
7. Control system: Analog signal control
8. regulatory system: Digital keyboard control
9. Weight: 2.8kg (Excluding battery)
10. Size (mm) : 267×220×105

(二) Detector technology index:

1. sensitivity: -65db
2. position deviation:  $\leq 10cm$
3. depth:  $\leq 5m$
4. Power supply: 9.6V Nickel hydrogen battery
5. working temperature:  $-10^{\circ}C \sim +50^{\circ}C$
6. Display;: digital display
7. Weight: 1.1 kg

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8. Size (mm) : 165×155×68

(三) Leak detector technology index:

1. sensitivity: -65db
2. detection accuracy:  $\geq 0.25 \text{ mm}^2$
3. Power supply: 9.6V Nickel hydrogen battery
4. working temperature:  $-10^{\circ}\text{C}\sim+50^{\circ}\text{C}$
5. Display;: digital display
6. Weight: 1.1 kg
7. Size (mm) : 165×155×68

**【Accessories】**

explore pole、battery、detection line、outlet line、ground wire、ground rod、rasp、magnet、220Vpower line、fuse 2A、charger。

**【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.