

N6-J Underground 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, flat design, keyboard, a multi-purpose keys.
- 2, no additional wiring, press the measure key to automatically measure the transmit power, the transmission voltage, emission current, grounding resistance and other parameters.
- 3, for detecting the signal strength of the whole process, carried out by the internal circuit normalized so that the leak size coating and insulation resistance value of each test section comparable.
- 4, the voltage controlled oscillator frequency technology, the signal intensity of the reaction tube bit and missed the point more clearly.
- 5, audio, showing the value, analog bar cursor, displays the signal strength and more intuitive.
- 6, easy to operate, simple to use, easy to understand.
- 7, small size, light weight, easy to carry, more suitable for field testing.
- 8, when the lack of voltage the instrument automatically shut down, automatically cut off when the internal power supply, energy-saving effect

Address:#159 TanGangLu HaiAn JiangSu China
Phone: 0513-88931553

Zip Code: 226600
Fax: 0513-88931551

is remarkable.

【Main Specifications】

(一) Transmitter Technical Specifications

- (1) Power supply: 12V (NiMH battery pack)
- (2) transmitter power: 0-150W, can automatically adjust the servo control
- (3) Transmission Distance: 0.03-20Km (section by section can be moved outside 20Km)
- (4) Dimensions: 267 mm × 220 mm × 105mm
- (5) Weight: 2.8kg (without batteries)

(二) the probe instrument specifications

- (1) Power supply: 9.6V NiMH battery pack
- (2) Sensitivity: -56db
- (3) detection tube deviation: $\leq 5\text{cm}$
- (4) detection depth: $\leq 10\text{m}$
- (5) Size: 165 mm × 155 mm × 68mm

(三) leak detector technical indicators

- (1) Power supply: 9.6V NiMH battery pack
- (2) Sensitivity: -56db
- (3) Leak detection accuracy: $\geq 0.5\text{mm}^2$
- (4) Dimensions: 165 mm × 155mm × 68mm

【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 .

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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.