DD3

Cable Fault Pinpointer

- **Synchronously receives acoustic signals and magnetic field signals emitted by cable fault discharge points, with strong anti-interference capability.**
- **Signal waveforms are displayed on a large LCD screen, with intuitive waveforms and easy identification.**
- **Telescopic probe rod enables on-site height adjustment for personnel of different heights.**
- **Simple and convenient operation, elegant appearance, and easy to carry.**

Functions:

1. When paired with a high-voltage signal generator, it performs acoustic-magnetic synchronous fault testing to locate high-resistance and flashover faults in power cables. It can detect paths while locating faults, and when combined with a step probe or bow frame, it enables step voltage testing to detect cable sheath damage.

2. When paired with an audio signal generator, it performs audio induction testing to rapidly and accurately detect cable paths, locate low-resistance faults, and identify cables as well as measure their depths.

3. High measurement accuracy: Errors of high-resistance fault location and path detection are both within 0.1 meters, and errors of low-resistance fault location are within 1 meter.

4. Simultaneously receives acoustic and magnetic field signals emitted by cable fault points, offering strong anti-interference capability.

5. Signal waveforms are displayed on a large LCD screen, offering intuitive and easily identifiable waveform patterns.

6. The detection method is mainly waveform recognition, with headphone monitoring as a supplement, making operation less tiring.

7. Utilizes a cursor to determine the delay between acoustic signals and magnetic field signals, thereby determining the distance of the fault point.

8. The telescopic probe rod can be adjusted to the height of personnel with different heights on-site, eliminating the need to bend over for fault location.

9. Features backlighting functionality.

10. Simple operation, sleek design, and portable for easy carrying.

Technical Specifications

1. Testing Methods: Electromagnetic Direction Method
   Electromagnetic Intensity Method
   Acoustic Listening Method
   Acoustic-Magnetic Synchronization Method.
2. Distance Measurement: 00.0–25 ms, 3-digit display
3. Synchronous Measurement: Magnetic Field/Acoustic Signal
4. Filter: (4-band) 100 Hz–1.5 kHz (Acoustic Signal);
   270 Hz–1.5 kHz (Acoustic Signal);
   150 Hz–1.0 kHz (Acoustic Signal);
   270 Hz–1.0 kHz (Acoustic Signal)
5. Sound/Magnetic Field/Audio Signal Measurement: Waveform Display ,Amplitude Bar ,Digital Display

6. Sound/Magnetic Field/Audio Signal Adjustment: Button Control

7. Amplification Range: Audio Channel >95dB (with maximum volume limit) Magnetic Channel >80dB

8. Test Accuracy: 0.1 m

9. Display: High-resolution large-screen LCD with 320×240 dot matrix, visible in strong daylight, backlit at night.

10. Probe Length: Adjustable 480–800mm.

11. Operating Temperature: -20°C to +50°C

12. Power Supply: 4×1.5V Batteries, 24 Hours of Continuous Operation

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