RDCD-II-503B Cable Fault Finder

RDCD-II-503B Cable Fault Finder is to determine the location of cable fault point by acoustic-magnetic synchronization method. The electronic flashover generated by the high-voltage signal generator for cable test is picked up and amplified by the corresponding probe, and the accurate position of the fault point is determined by the auditory and visual judgment. The Cable Fault Finder that completes the accurate positioning of the cable fault point within the rough measurement range integrates acoustic magnetic time difference positioning technology, noise reduction technology and other technologies, and provides various test modes and rich and varied prompt information to efficiently and accurately locate the cable fault..

Product features

1. Acoustic-magnetic synchronous positioning technology is adopted to automatically calculate the acoustic-magnetic time difference and reduce the dependence on sound monitoring.
2. Background of noise reduction technology, effectively filter out the environmental interference noise and highlight the discharge sound at the fault location.
3. Combining the traditional acoustic measurement method with the advanced acoustic magnetic method, the operator can choose freely according to the usage habits.
4. The gain value and trigger value of acoustic and magnetic signals can be adjusted manually, which is more convenient for fixed point.
5. 5-inch touch highlight LCD to ensure visibility in the sun.
6. Built-in large-capacity lithium-ion battery power supply, with fast charger.
7. Compact, portable and light in weight.

Product specifications and technical parameters

Picture	
Model	**RDCD-II/503B**
Acoustic synchronous function	
(1) Sound channel	
Bandwidth	Full 100 Hz ~ 1500 Hz; Low pass: 100 Hz ~ 400 Hz; High pass: 150 Hz ~ 1500 Hz; Band pass 200 Hz ~ 600 Hz.
Signal gain	0 -7 adjustable
Fixed point accuracy	0.1m
(2) Magnetic field channel	0 -7 adjustable
Acoustic synchronous background noise reduction mode (BNR)	
The bar chart of sound intensity indicates that the threshold of sound trigger (0 ~ 100) can be adjusted	
The bar chart of electromagnetic intensity indicates that the magnetic field trigger threshold (0 ~ 100) can be adjusted, and it has the function of magnetic field trigger prompt.	
Acoustic magnetic time difference method positioning mode: waveform display, acoustic magnetic time difference display	
Power supply	
Battery	● Built-in lithium-ion battery pack, voltage 8.4V, capacity 2.4Ah ● Use time: continuous use time > 8 hours
Charger	Input AC 220V±10%, 50Hz；; Nominal output 8.4V, 1A
Charging time	< 6 hours
Display mode	5-inch color LCD with 854*480 resolution and touch function
Operating environment temperature	-25℃ ~ 40℃, humidity 5 ~ 90% RH, altitude < 4500m.

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