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CT-581 Cable Tracker

Function Description:



ÿ**Support** various communication cable detection.

ÿ**Directional** radio wave probe can find hidden circuit positions.

ÿ**With** a headphone jack, easy to search for signal sound.

ÿ**Can** detect whether the line is charged or not, and the positive and negative polarity of the power supply.

ÿ**With** RJ-11 four-core telephone line, it can test whether the telephone line is valid or not.

ÿ**With** RJ-11 line detection and search.

ÿ**With** line short circuit test function.

ÿ**Can** search for mains lines (50Hz /60Hz).

ÿ**There** are two test sounds for users to choose.

Instructions:



Cable detection and location

1. Set the signal transmitter (CT-581G), and turn the switch to the TONE position.
2. Use either the red or black wire of the alligator clip to clamp the line to be tested.
3. Set the signal receiver (CT-581A), adjust the volume of the sound, and then press the round button on the body.
4. Point the black probe head of the receiver (CT-581A) toward the line to be tested. If the sound is louder, it means closer, otherwise, it is farther away.

PS: The probe of the receiver is directional. If you only approach it, if the probe is not in the correct direction, you will not be able to receive the signal.

When the mains is detected, there will be magnetic noise near the wires, which can be used to determine the direction of the wires buried in the wall.

Phone Line Detection

1. When detecting the RJ-11 four-core telephone line, you can turn the switch of the transmitter (CT-581G) to OFF to test whether the telephone line is valid. If it is valid, it will display green light (•), and a red light (•) if the line is reversed.
2. When detecting the telephone line, please switch the transmitter (CT-581G) to the TONE position, and then connect it to the RJ-11 socket of the telecommunication box.
3. Point the black probe head of the receiver (CT-581A) toward the telephone line to be tested. If the sound is louder, it means that it is closer, otherwise, it is farther away.

PS: The principle of testing whether the telephone line is valid is the same as that of live test, because there is alternating current in the local telephone circuit.

short circuit test

1. To test whether there is a short circuit in the circuit, you can turn the switch of the transmitter (CT-581G) to the CONT position, and use the alligator clips to clamp the two ends of the line separately, if it is a green light (•), it means that the line is connected, if there is no response, it means that the line is open.

Circuit Polarity Test

1. When the switch of the transmitter (CT-581G) is in the OFF position, if the positive and negative poles of the alligator clip are connected to a live line, the green light (•) indicates that the circuit is positive, and the red light (•) It means that the circuit is inverting.



Precautions for operation!! **(This** item needs to be read in detail)

ÿ**The transmitter (CT-581G) cannot be connected to live wires with a voltage greater than 24V .**

ÿ**When** measuring live cables, precautions against electric shock must be taken to avoid accidental electric shock when clamping the cable.

ÿ**The** preset sound is UP (circle position), and it can also be replaced with a long sound.

ÿ**Do** not place it where children can easily get it, so as to prevent children from being injured by playing with the instrument.

ÿ Both the transmitter (CT-581G) and the receiver (CT-581A) need to use 9V batteries, and the service life of the batteries is about 100 hours. Pay attention and replace them regularly.

ÿ**If** the instrument is not in use, it must be properly stored away from direct sunlight or too humid places, such as near the sea, it must be placed in a moisture-proof box.