S180D+ Cable Identifier



FEATURES

Up to 10 cables can be calibrated and identified
Direct connection and signal coupling method available
Energised & de-energized (dead) cable
Live cable frequency: 625Hz, 1562Hz, 2500Hz, 10000H
Dead cable frequency: 1562Hz, 2500Hz

SPECIFICATIONS Rx

Function	Live cable identification; dead cable identification; AC voltage, current, frequency measurement
Battery	7.4V large-capacity rechargeable lithium battery; USB charging interface; when fully charged, it can work for about 6 hours
Receiving Frequency	Press Left and Right Arrow Button to select receiving frequency: 625Hz, 1562Hz, 2500Hz or 10000Hz
Gain Intensity	Press Left and Right Arrow Button to select gain intensity: 1dB, 10dB or 20dB
Rated Current	300mA max
Display Mode	3.5-inch TFT LCD screen display, color icon indication
Signal Calibration	Calibrating one to ten cables
	Calibrating the transmit signal: When the current percentage of the receiving signal and the transmitting signal is between 75% and 135% of the calibration value, the cable is successfully recognized.
	Calibrating multiple cables at one time; After being calibrated, the test frequency and gains cannot be changed, otherwise it needs to be re-calibrated.
Direction Recognition	When the transmitting clamp, receiving clamp and loading signal is in the same direction, the direction can be successfully recognized.
Identification Result	Green tick icon indicating successful cable identification(√)
Non-target Cable	Red-orange cross icon indicating non-target cable(×)
Size of Receiver	L207mm×W101mm×H45mm
Flexible Clamp	L: about 620mm, Diameter of Lead: 8mm
Inner Diameter of Coil	φ200mm, can be customized
Length of Lead	Flexible Clamp: Appro 3m
Size of	L111mm × W60mm × H27mm Detector is optional.
Length of Lead	Detector: Appro 3m
Voltage Lead	L: 1m , red and black lead, one per color

Detection Range	Dead Cable Identification: The coil can detect the pulse signal with loop resistance ranging from 0Ω to 8kΩ. When the resistance reaches 8kΩ, it is necessary to ensure that the battery power of the transmitter is more than 11V. Depending on the grounding resistance and cable resistance, it can identify cables of max length 20 kilometers.
	Live Cable Identification The coil can detect the pulse signal with loop resistance ranging from 0Ω to 200Ω. When the resistance reaches 200Ω, it is necessary to ensure that the battery power of the transmitter is more than 11V. Depending on the grounding resistance and cable resistance, it can identify cables of max length 6 kilometers.
Ranging	AC Voltage: 0.00V to 600V(50Hz/60Hz)
	AC Current: 0.00A to 5000A(50Hz/60Hz)
	Frequency: 45Hz to 70Hz
Accuracy	AC Voltage: ±2%±3dgt
	AC Current: ±2%±3dgt
	Frequency: ±2Hz
Identification Signal	Digital
Detection Rate	Approx one per second
Gain Adjustment	In the test interface, press the Left and Right Arrow Button to adjust the signal magnification, so that the received signal is effective and the gain adjustment is displayed stably.
Backlight Control	In the selection interface after power on, press the Up and Down Arrow Button to adjust the brightness of the LCD backlight
Automatic Shut-down	After operating for about 1 hour, the device will automatically shut down to reduce battery consumption
Battery Voltage	When the battery voltage is lower than 6.5V, the low battery voltage icon will display, reminding to charge the battery
Charger	8.4V 1A
Charging Interface	USB
Working Temperature and Humidity	-10℃ to 40℃; below 80%Rh
Storage Temperature and Humidity	-10℃ to 50℃, ≤95% RH, no condensation
Weight of Receiver	Flexible Clamp: 172g; Receiver: 370g(including battery)
Dielectric Strength	AC2000V/rms
Safety Regulation	IEC61010-1 CAT Ⅲ 600V, IEC61010-031, IEC61326, Pollution Level2
SPECIFICATIONS Tx	
Function	Transmitting frequency current signal; Indicating voltage and transmission status
Battery	Equipped with 11.1V large-capacity rechargeable lithium battery, when fully charged, it can work about 8 hours
Output Method	For the live cables, clamp coupling method is used. For dead cables, direct connection is preferred.

Transmit Frequency	Frequency of energized cable identifier: 625Hz, 1562Hz, 2500Hz or 10000Hz Frequency of De-energized cable identifier: 1562Hz or 2500Hz. Press the Up and Down arrow to select frequency.
Length of Test Lead	3m red and black test lead, one per color; crocodile clip;
Size of Transmitting Clamp	L250mm × W140mm × H35mm
Inner Diameter of Transmitting Clamp	φ105mm
Lead Length of Transmitting Clamp	3m
Size of Earth Probe	L225mm × W100mm × H10mm
Size of Transmitter	320mm × 275mm × 145mm
Display Mode	Large LCD with backlight, displaying the remaining battery voltage in real time
Size of LCD	L128mm × W75mm; Display Area: 124mm × 67mm
Size of Outer Package	L400mm × W245mm × H335mm
Operating Temperature	-10℃ to 40℃
Storage Condition	-20℃ to 50℃，≤95%RH, no condensation
Backlight	White backlight
Operation Temperature	-10℃ to 40℃
Storage Condition	-20℃ to 50℃，≤95%RH, no condensation
Weight	Transmitter: 2.5kg; Transmitting Clamp: 1.12kg; Total: 4.44kg (including receiver)
Battery Level	When the battery voltage is lower than 9.65V, it shows the low battery voltage icon, reminding to charge the battery; when it is lower than 9.5V, the device will automatically shut down
Charger	12.6V 1A DC
Charging Interface	Round shape, DC
Anti-pressure	Integrated special tool box design, bearing a pressure of about 200kg
Dielectric Strength	AC 3700V/rms
Electromagnetic Properties	IEC61326(EMC)
Safety Regulation	IEC61010-1(CAT III 300V、CAT IV 150V、Pollution Level 2)



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