



## CS9950C Series Programmable Ground Resistance Tester

Serial products: CS9950C、CS9950D  
 Dimensions: 355mm × 135mm × 480mm  
 Weight(Approx.): 11kg

### Interface function

- ◆ Standard PLC interface, optional ports: RS232C, RS485, GPIB, USB
- ◆ Control eight memory groups through PLC interface
- ◆ Level signal or contact signal can be selected as PLC test signal and if level signal selected, PLC high output level is 24V during the testing
- ◆ Calibration and prompt function. After 12 months' use, tester can automatically give prompt information
- ◆ Test results which maximum can be up to 9999 will be stored into the tester or sent to PC through RS232 interface

### Simplified operation interface

- ◆ 240\*64 graphic dot matrix LCD, displaying setting parameters and testing parameters strikingly, visually
- ◆ LCD contrast, buzzer volume, the retention time of PASS signal can be adjusted by keystrokes
- ◆ 50 memory groups, 30 steps per group
- ◆ Users can name freely memory group as required which maximum can be up to 14
- ◆ Advanced Chinese and English operation interface
- ◆ Users can perform single-step or multi-step consecutive test with any procedure
- ◆ Rectification circuit adopts RMS-DC converter, truly reflecting tester's output current value



## CS9950A Series Programmable Ground Resistance Tester

Serial products: CS9950、CS9950A  
 Dimensions: 285mm × 95mm × 410mm  
 Weight(Approx.): 11kg

## Executive test in 40A/60A of UL60950-1

### Safety

- ◆ Optional supply voltage 110V/220V,50HZ/60HZ; The tester will first check whether the input power supply right connected to N,L,G automatically after power on and give the prompt information if any of misconnection
- ◆ Constant current output with the stability of 1% prevents inaccurate test results induced by output supply voltage instability or load fluctuation
- ◆ THD is less than 1% with linear power amplifier. The tester satisfies the safety regulation criterion, which requiring the crest factor must be within the range between 1.3 and 1.5
- ◆ Output current with the frequency between 40.0Hz and 400.0Hz, which can satisfy different customers with various requirements
- ◆ Key lock, preventing operators from modifying test parameters

### Technical index

- ◆ Output current: 3.00A~25.00A(CS9950C: 40A; CS9950D: 60A);
- ◆ Resolution: 0.01A;
- ◆ Accuracy : ± (1%+0.2A)
- ◆ Resistance upp-limit setting value: 1~510.0mΩ, which still determined the maximum value in accordance with the setting current value

$$R_{MAX} = \frac{I_{MAX}}{I_{SET}} \times 150$$

- ◆ Resistance low-limit setting value, 0~510.0mΩ, which should be less than upp-limit value
- ◆ Test time: 0, 0.3~999.9s; Accuracy: ± (0.1%+50ms); 0 indicates a consecutive test
- ◆ Interval time: 0~999.9s; Accuracy: ± (0.1%+50ms); 0 indicates that the test automatically ends when test times out
- ◆ Output current frequency: 40.0~400.0Hz ; Resolution: 0.1Hz Accuracy: ± 100PPM

### Product performance

- ◆ Constant current linearity amplifying output
- ◆ Front panel software calibration ensuring high accuracy
- ◆ Standard PLC interface, optional RS232 port
- ◆ Compliant with in GB9706.1 Biomedical Standards
- ◆ Current output frequency: 50/60 Hz
- ◆ Maximum current output: 60A
- ◆ Can set offset value

### Specifications

- ◆ Current:(3~30)A(CS9950);(5~25)A(CS9950A)
- ◆ Test range: (0~510)mΩ
- ◆ Accuracy: ± (2%+2mΩ)
- ◆ Test time: (0~999)s