

CRT-

100P/200P



Pictured: CRT-200P

For high-precision measurement of contact (loop) resistance of high and low voltage switches and DC resistance of cable lines, or any occasion requiring large current and micro resistance measurement

These micro-ohmmeters are designed for measuring loop resistance of Switching Control Equipment using high-frequency switching power supply and digital circuit technology. Test current of the Tester is DC 100A (CRT-100P) or DC200A (CRT-200P) which is recommended in the national standards. The tester can measure the loop resistance at this value and display the result in a digital screen. With high precision, they can meet most power systems' requirements in onsite high-voltage switches maintenance and high-voltage switches factory loop resistance measurement, while performing with accuracy and stability.

Key Features

- **High current:** For latest power supply technology, the tester can continuously output high current which overcomes the weakness of instantaneous current produced by pulsed power. It can effectively breakdown/puncture the oxide layer of the switches and then get precise results.
- **Strong anti-interference ability:** The last number of test data will stably show in the LCD screen only with ± 1 error even in strong Interference situation.
- **Long service life:** All the precise resistances used in the tester can reduce the temperature's impact on the measurement results and military connectors can enhance vibration resistance.
- **Convenience:** Small size, light weight.

Applications

- high and low voltage switches
- DC resistance of cable lines
- and more...

www.gpslimited.com/CRTseries
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CONTACT RESISTANCE TESTER

Technical Specifications

	CRT-100P	CRT-200P
Measurement Range	0 ~ 2999.9μΩ	50A 0~10mΩ
		100A 0~5mΩ
		150A 0~3.333mΩ
		200A 0~2.500mΩ
Resolution	0 ~ 99.99 , 0.01μΩ ; 100.0 ~ 2999.9 , 0.1μΩ	0~99.99μΩ, 0.01μΩ
		100.0~10000.0μΩ, 0.1μΩ
Measured Current	DC 50A, 100A fixed output	DC 50A, 100A, 150A, 200A fixed output
Accuracy	0.5%rd±2d	± (0.5% rd+2d)
Optional Working Hours	Fast, 10 seconds, 30 seconds, 60 seconds	
Display	4-inch touch screen	4-inch touch screen
Communication Mode	U disk transfer	U disk transfer
Maximum Storage Record	200	200

Standard Accessories

Black test line w/pliers
Red test line w/pliers
Earth lead
5A Fuse (3pcs)
Accessory bag
AC 220V Power cord
Certification / warranty card
Instruction manual

Power Supply

AC 220V ± 10% 50Hz

Power

1000W

Safety

Conform to national standard DL/T845.4-2004.

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
CRT-100P	High Precision Contact Resistance Tester Micro Ohmmeter 100A	681008
CRT-200P	High Precision Contact Resistance Tester Micro Ohmmeter 200A	682003

Mass

CRT-100A Main unit: 8KG
CRT-200P Main unit: 11KG

Dimension

CRT-100P Main unit: 38 x 31 x 26 cm
CRT-200P Main unit: 38 x 31 x 26 cm

Operating

Temp -10°C - 40°, humidity RH<80%

Services

1-year warranty (subject to product registration with GPS Ltd)
Please contact for more information.

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