

HTHL-200P Contact Resistance Tester



Detail Product :

Nowadays Power Systems widely use model QJ44 DC double arm bridge to measure contact resistance (DC resistance and Loop resistance of high-voltage circuit breaker) while the minimum current of such model is 1mA which hardly find the decrease of cross-sectional area of transformers' conductive circuit conductor. The measurement of loop resistance of high voltage switchgear is affected by oil layer and oxide between static and dynamic contact port, so the resistance measurement value will be several times larger, and cannot reflect the true value of contact resistance. Therefore, the Ministry of Electric Power in national standards SD301-88 "AC 500KV Electrical Equipment Transfer and Preventive Test Procedure" and new version of "Electrical Equipment Preventive Test Procedure" stipulate that the testing current of circuit breaker and isolating switch contact resistance is not less than 100A to ensure accurate test results.

HTHL-200P Contact Resistance Tester measures up to the latest power system standards--DL/T845.4-2004 designed for measuring loop resistance of Switching Control Equipment using High-frequency switching power supply technology and digital circuit technology. Test current of the Tester is DC 100A and 200A which is recommended in the national standards. The tester can measure the loop resistance at this value and display the result in digital and with function of storage, printing and time setting. Another 50A and 150A are optional. It is high precision and good stability and can meet most power systems' requirements in onsite high-voltage switches maintenance and high-voltage switches factory loop resistance measurement.

Product Features :

1. High current, adopts new power techniques, can output current long time and continuously , overcome the malpractice of instantaneous current of the impulse type power, can effectively break through the oxide film of the switch contact, get accurate test results.
2. High stability, under strong interference, the last number displayed by the LCD within the range of ± 1 , with steady reading and good reproducibility.
3. High precision: adopts double channels high-speed 16bits — AD to sample, digital signal processing technique, the maximum resolution up to 0.01μ .
4. Intelligent: use high performance CPU, system can switch the measurement range according the size of the signal when testing, ensure the accuracy. The over-temperature protection circuit can auto stop output the current when the device exceeds the rated temperature to ensure the safety.

Product Parameters :

Measurement range	0~1999 μ
Resolution	1 μ
Measured current	DC 50A,100A, 150A, 200A fixed output
Accuracy	0.5% \pm 1d
Working mode	Continuous
Display	3-1/2 LCD
Power supply	AC220V \pm 10% 50Hz
Service conditions	Temperature -10 ~40 , humidity: 80%RH
Dimension	370 \times 320 \times 260 mm
Weight	9.6Kg(not including accessory)