

HF-TC-612

Handheld Loop Resistance Tester



This Handheld Loop Resistance Tester outputs constant large DC current to accurately test high-voltage breaker loop resistance. Compact, battery-powered design supports field testing, with data storage and anti-interference performance for substation routine maintenance work.

Key features

- Large test current fully complies with national standards for contact resistance testing.
- High output voltage delivers a wide measuring range.
- Test current is supplied by a high-precision constant current source to ensure fast and accurate measurement.
- Adopts four-wire measurement wiring to eliminate the influence of test lead resistance on test results effectively.
- Fast testing speed: test results are displayed in around 2 seconds.

Technical specifications

Parameter	Value
Test Current	50A, 100A
Measuring Range (test leads included)	0 ~ 20mohm (50A); 0 ~ 10mohm (100A)
Resolution	0.1uohm (minimum)
Accuracy	±0.5% (±2 digits)
Measurement Mode	Quick measurement / Timed measurement
Power Supply	DC12V / 6400mAh
Operating Temperature	-10°C ~ 40°C
Relative Humidity	≤80%, non-condensing

Standard scope of supply

No.	Item	Qty	Notes
1	Handheld loop resistance tester main unit	1 set	
2	High-current test cables & test clamps	1 group	
3	DC charging adapter	1 piece	
4	USB data transmission cable	1 piece	
5	Operation manual & factory test certificate	1 set	
6	Storage carrying case	1 piece	
7	Spare fuses and small wearing parts	1 pack	

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.