

GF112T

TRANSFORMER CORE LEAKAGE CURRENT TESTER

The GF112T transformer core leakage current tester is a device designed for on-site online tests of grounding and leakage currents in transformer iron cores. It features a current clamp, monitoring meter, communication module, and other functions. The tester is designed with high-speed microprocessor and 3.5-inch color touch screen LCD, enabling smart touch operation and easy use, it can display the value and waveform of measured current in real time. It can measure U/I/P/Q/S/F/PF etc. This tester helps identify potential faults in transformers, ensuring safe operation and facilitating routine maintenance.

It is versatile and suitable for various sectors including electric power, communications, meteorology, railways, oil fields, architecture, metrology, academic institutions, and industrial enterprises. It is also useful in scientific research and teaching institutes, providing a comprehensive solution for diverse fields.

Functions

1. AC leakage current;
2. Display of vector diagram;
3. Current measurement online;
4. Data logger for all the parameters;
5. Transformer core ground current test;
6. Display harmonic contents and bar graph;
7. Oscilloscope function display current & current wave;
8. Frequency, phase angle and power factor measurement;
9. Measure active power, reactive power and apparent power;



Features

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|---------------------------------------|---|
| 1. Strong Anti-interference; | 12. Power factor from -1.0000 to 1.0000; |
| 2. U disk download test data; | 13. With PC software, export test report; |
| 3. Accuracy class 0.05, 0.1, 0.2; | 14. Automatic compensation for clamp on cts; |
| 4. 3.5 inch color touch TFT LCD; | 15. With bluetooth & USB communication port; |
| 5. Leakage current measurement; | 16. Unique long-term and temperature stability; |
| 6. Android APP software optional; | 17. The best light weight handheld meter test set; |
| 7. Storage 20000 groups test data; | 18. The Li-battery can work 48 hours continuously; |
| 8. Easy and user friendly operation; | 19. One screen displays all the measured parameters; |
| 9. Lithium batteries can be replaced; | 20. Wide measuring range 0 -600V /0.001-120A/40-70Hz; |
| 10. 1mA high-precision measurement; | 21. The reference meter and current clamp have separate design; |
| 11. Large Jaw size 120mm clamp on ct; | |

Parameters

Electrical parameters	
Accuracy class	0.05%, 0.1%, 0.2%
Power supply	AAA type, Li rechargeable battery, 2700mAh, 3.6V it can work 48 hours continuously
Warming-up time	<2 min
Voltage measurement	
U Range	0-600.00V
Accuracy	0.05%
Harmonics	2nd-31st
Current measurement(Clamp on cts)	
I Range	1.000mA-120.000A
Accuracy	0.05%, 0.1% , 0.2%
Harmonics	2nd-31st
Clamp on cts diameter	120mm
Phase measurement	
Range	0.00°-359.99°
Resolution	0.01°
Accuracy	0.05°
Frequency measurement	
Range	40-70Hz
Resolution	0.001Hz
Accuracy	0.002Hz
Power Factor Measurement	
Range	-1 ~ 0 ~ 1
Resolution	0.0001
Accuracy	0.0002
Function	
Harmonic measurement	Yes
Key	Yes, 2PCS
LCD	3.5 inch touch TFT color LCD
Data logger	Yes
Data storage	20000 sets
Recorder time interval	1S, 2S....60mins can be set
Data download	Yes, U disk
Communication port	USB & Bluetooth port
Standard	
Standard	IEC61326

Main functions

Electrical parameters - continued

Safety

Isolation protection	IEC 61010-1:2001
Measurement Category	600 V CAT III
Degree of protection	IP54
Declaration of conformity	CE & CNAS certified

Mechanical parameters

Dimensions (W×D×H) (mm)	155×75×33
Weight (kg)	0.22 (mains), clamp on ct 1.2kg 2.5 (accessory and box)

Environmental conditions

Working temperature	-20°C to 55°C
Working humidity	5%-85%RHD
Storage temperature	-25°C to 70°C
Storage humidity	5%-95%RHD