

SMG6600 Six-Phase Electrical Tester



I. Introduction

Six-phase electrical tester is simultaneously measuring primary current, secondary current and secondary voltage; analyze three phase unbalance and hexagon vector diagram, and can be exported as Word and Excel files without PC software. The instrument uses high-precision data acquisition chip 24-bit ADC with a precision analog , DSP processing data with ARM and TFT touchscreen display measurement data easy and intuitive operation.

II. Features

1. Simultaneous measure 1-3 circuit secondary AC voltage.
2. Simultaneous measure 1-3 circuit primary AC current.
3. Simultaneous measure 1-3 circuit secondary AC current.
4. Test phase between voltage/ current, phase of voltage and current.
5. Test grid frequency.
6. Test active/reactive/apparent power.
7. Test power factor.
8. Three-phase voltage and current imbalance detection.
9. Secondary phase voltage range: 5-500V, secondary current range: 5mA-10A, primary current range: 100mA-5A.
10. Show Hexagon vector diagram (primary and secondary mixed).
11. Used as a leakage current meter.
12. Low-power design, built-in rechargeable battery as a backup power source.
13. Auto range, mouse operation, user-friendly design.
14. Saved data can be exported by U-disk, convenient for data processing.
15. Export Word and Excel file, easy for print test report.

III. Parameters

Item	Measurement range	Unit	Error	Resolution
Voltage	1~500	V	0.3%×Reading	0.01V
Primary current	0.1~5	A	0.3%×Reading	0.0001A
Secondary current	0.001~10	A	0.3%×Reading	0.0001A
Active power	0.001~5k	W	0.3%×Reading	0.1W
Reactive power	0.001~5k	VAR	0.3%×Reading	0.1VAR
Apparent power	0.001~5k	VA	0.3%×Reading	0.1VA
Frequency	45~65	HZ	0.1%×Reading	0.01HZ
Phase	0~360	°	±1°	0.1°