

SMG6000 Three-Phase Electrical Tester



I. Introduction

Three-phase electrical tester is measuring electrical parameters , protection circuit CT and three-phase electrical wiring correctness of voltage and current imbalance detection instruments , you can complete the three-phase voltage, current , phase angle, frequency, power, power factor and other electrical parameters high-precision measurement, the more unique is to analyze CT wiring correctness and check the power line wiring electricity balance. And has a power calculation functions.

High-speed ARM processors is designed as a lower machine of three-phase electrical tester to electrical parameters measurement, fully graphical interface , true color display, touch screen operation , friendly interface , easy to carry and powerful.

II.Features

- 1.Simultaneous measure 1-3 circuit AC voltage.
- 2.Simultaneous measure 1-4 circuit AC current (including zero-phase current).
- 3.Test phase between voltage/ current, phase of voltage and current.
- 4.Test grid frequency.
- 5.Test active/reactive/apparent power.
- 6.Test power factor.
- 7.CT wiring correctness analysis and meter wiring error identification.
- 8.Detect and determine 192 kinds of wrong wiring of three phases three wire power meters, and give its vector diagram, wiring diagrams, power expressions and text description
- 9.Three-phase voltage and current imbalance detection.
- 10.Phase voltage range: 5-500V, phase current range:5mA-10A.
- 11.Show Hexagon vector diagram.
- 12.Used as a leakage current meter.
- 13.Low-power design, the longest up to 12 hours continuous use.
- 14.Auto range, touch screen button user-friendly design.
- 15.Saved data can be exported by U-disk, convenient for data processing.

III. Parameters

Item	Measurement range	Unit	Error	Resolution
Voltage	1~500	V	0.5%	0.01V
Current	0.001~10	A	0.5%	0.0001A
Active power	0.001~5k	W	0.5% \times d(PF=1)	0.1W
Reactive power	0.001~5k	VAR	0.5% \times d(PF=0)	0.1VAR
Apparent power	0.001~5k	VA	0.5% \times d	0.1VA
Frequency	45~65	HZ	0.1% \times d	0.01HZ
Phase	0~360	°	$\pm 1^\circ$	0.1°
Dimension	320*280*140mm3			
Weight	3.2kg			

Note: 1mA-5mA, $\pm 3^\circ$.