



- ★ Real-time waveform display (4 channels of voltage/current)
- ★ True RMS values of voltages and currents.
- ★ Peak current and voltage
- ★ The maximum/minimum value of current and voltage over a period of time
- ★ Phasor diagram display
- ★ Harmonic measurement of each phase, up to the 50th harmonic
- ★ Calculation of Total Harmonic Distortion (THD)
- ★ Active/reactive/apparent power value and total value of each phase
- ★ Transformer K factor calculation

PRODUCT INTRODUCTION

GT3100 Power Quality Analyzer is a comprehensive test instrument specially designed by our company for three-phase, multi-functional, intelligent and simple man-machine operation. Easy to use, large LCD color display, high resolution, bilingual interface in Chinese and English, box structure and other features. Simultaneous measurement of 4 currents (ABC three-phase and neutral current), 4 voltages (ABC three-phase voltage and neutral to ground voltage), current and voltage peaks, maximum and minimum values over a period of time, three-phase Balance, short-time voltage flicker, transformer K factor, active power, reactive power, apparent power, power factor, displacement power factor, active energy, reactive energy, apparent energy, harmonic ratio, total harmonic distortion Degree; Display real-time waveform of current and voltage, phasor diagram, harmonic ratio column chart; dynamically capture voltage and current transients, monitor startup current, monitor various power parameters and generate alarm list, record test data for a long time and generate trend graph .

This measurement and analysis instrument that can more quickly and accurately eliminate complex power system faults and monitor and maintain power quality parameters more comprehensively and systematically.

TECHNICAL PARAMETERS

Power	Rechargeable lithium battery pack 9.6V, external charger	
Display mode	LCD color screen ,640dots×480dots , 5.6 inch , display field 116mm×88mm	
Instrument size	L/W/T : 240mm*170mm*68 mm	
Number of channels	4 channels voltage , 4 changels current	
Line voltage	1.0V ~ 2000V	
Phase voltage	1.0V ~ 1000V	
Current	008 tip small current clamp : 10mA ~ 10.0A	Jaw size : 7.5mm×13mm (selection)
	020 round-mouth current clamp : 0.10A ~ 100A	Jaw size : 20mm×20mm (selection)
	050 round-mouth current clamp : 1.0A ~ 1000A	Jaw size : 50mm×50mm (selection)
	Rogowski coil : 10A ~ 3000A	
	Optional transformer : Instrument port input current 1mA ~ 500mA	
Electric power and power quantity parameter	W , VA , var , PF , DPF , cosφ , tanφ	
Electric energy parameter	Wh , varh , Vah	
Harmonic	have , 0 ~ 50 times	
Total harmonic distortion	have , 0 ~ 50 times , each phase	
Expert mode	have	
Number of transient record groups	150 groups	
Voltage flicker	have	
Start current mode	have , 100 second	
Three-phase unbalance	have	
Record	300 days (Record 20 parameters at the same time, record 1 point every 5 seconds)	
Minimum/maximum recorded value	yes, can measure the maximum and minimum within a period of time	
Alarm	40 different types of parameter selection, 12800 group alarm logs	
Peak value	have	
Phasor diagram display	automatic	
Screenshot capacity	60	