



An easy-to-use power quality tool is a "must-have" for any person who maintains or troubleshoots single- or three-phase power. XiTRON's three-phase power quality meters help you locate, predict, prevent and troubleshoot problems in power distribution systems. We offer a full range of trouble-shooting options for the prevention and analysis of the power quality problem. It is not only a problem solver, but also a money saving tool.

Specifications	Range	Accuracy
Volts/Currents/Freq	Volt: 10~700V (true rms) Current: 0.5~3000A (true rms, with appropriate current clamp) N current: 0.5~25A (true rms) Freq: 40~1kHz	Volts: $\pm 0.5\%$ Current: $\pm 0.5\%$ Freq: $\pm 0.01\text{Hz}$ NOTE: Phase A as testing frequency
Harmonic	Volts: total harmonic 1st~50th	Volts: $\pm 0.1(\%)r$
	Amps: total harmonic 1st~50th	Amps: $\pm 1\%$
Power Testing	Active Power: 0.05~700kW	Active Power: $\pm 1\%$
	Apparent Power: 0.05~700kVA	Apparent Power: $\pm 1\%$
	Reactive Power: 0.05~700kVAR	Reactive Power: $\pm 1\%$
	Power Factor: 0.00~1.00	Power Factor: ± 0.005
	Active Energy: 0.01~10000kWh	Active Energy: $\pm 1\%$
	Apparent Energy: 0.01~10000kVAh	Apparent Energy: $\pm 1\%$
	Reactive Energy: 0.01~10000kVARh	Reactive Energy: $\pm 1\%h$
	Average Power Factor: 0.00~1.00	Average Power Factor: ± 0.005
Unbalance	Fundamental Volts: 10 ~ 700V (true rms) Fundamental Amps: 0.5~1000A (true rms) Fundamental Hertz: 40~70Hz Phase Angle: 0~360° Unbalance: 0.0%~100%	Volts: $\pm 0.5\%$ Amps: $\pm 0.5\%$ Hertz: $\pm 0.01\text{Hz}$ Phase Angle: $\pm 0.3^\circ$ Volt unbalance: $\pm 0.2\%$ Note: Take frequency of Phase A as total testing frequency.
Data Recording	Recording for: 3 phase voltage, current, null current, voltage harmonic (THD and 1~25 harmonics), current harmonics (THD and 1~25 harmonics), unbalance, kW, kVA, kVAR, PF, flicker and fluctuation	Time interval: 3s~30min adjustable Time duration: <960 hours
Sags(Dips)Swells	Volts sag, Volts swells and instant interruption	Maximum record length: 40 times
Fluctuation	Voltage Fluctuation: 0.1%~10.0%	$\leq \pm 5\%$
Flicker	Short-time and long-time flicker	Short-time: $\leq \pm 5\%$
Scope View	3-phase Volts, 4-wire Current, null volt and null current waveform	Max Hertz: 200kHz Min Hertz: 100Hz



XiTRON XT3561 Power Quality Analyzer

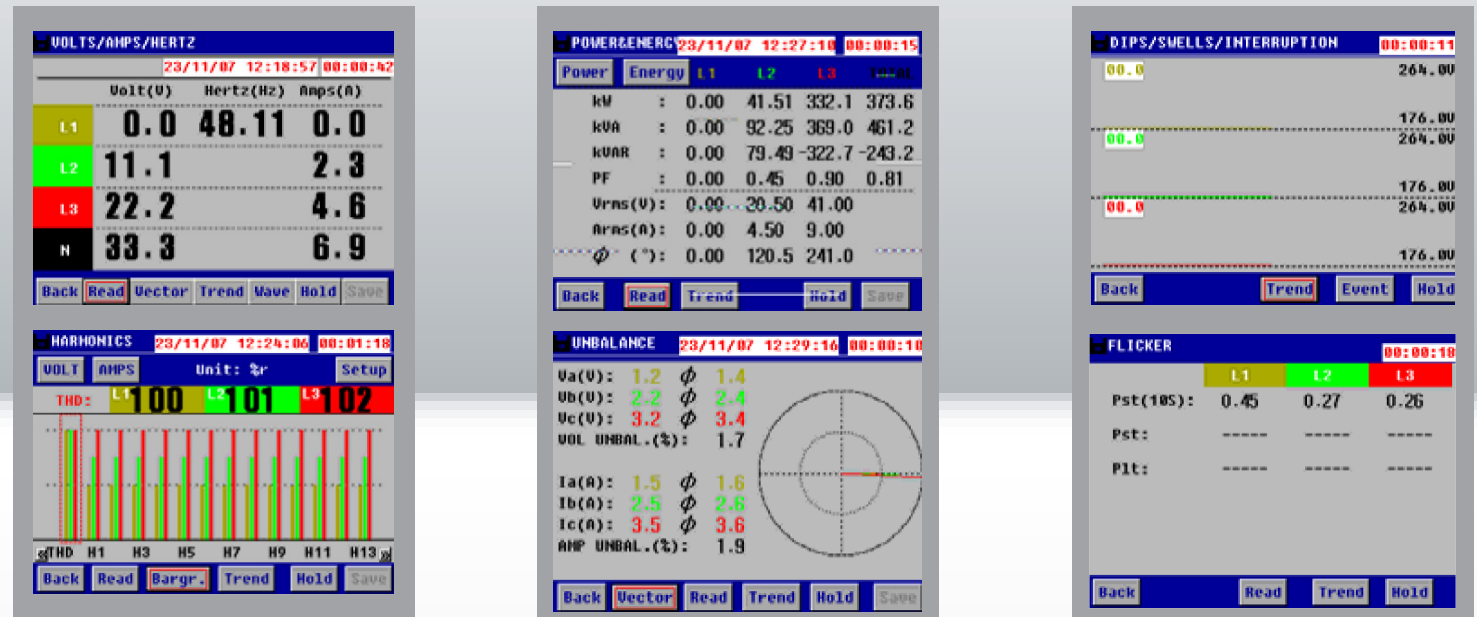
The XT3561 is a 3-phase testing and analyzing device for power quality applications. It provides multiple modes for analyzing harmonics/voltage/current/frequency, 3-phase unbalance, power and energy, data recording, swells/dips, flicker, surge and more.



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Functional Displays



Volts/Amps/Hertz & Harmonics

Power/Energy & Unbalance

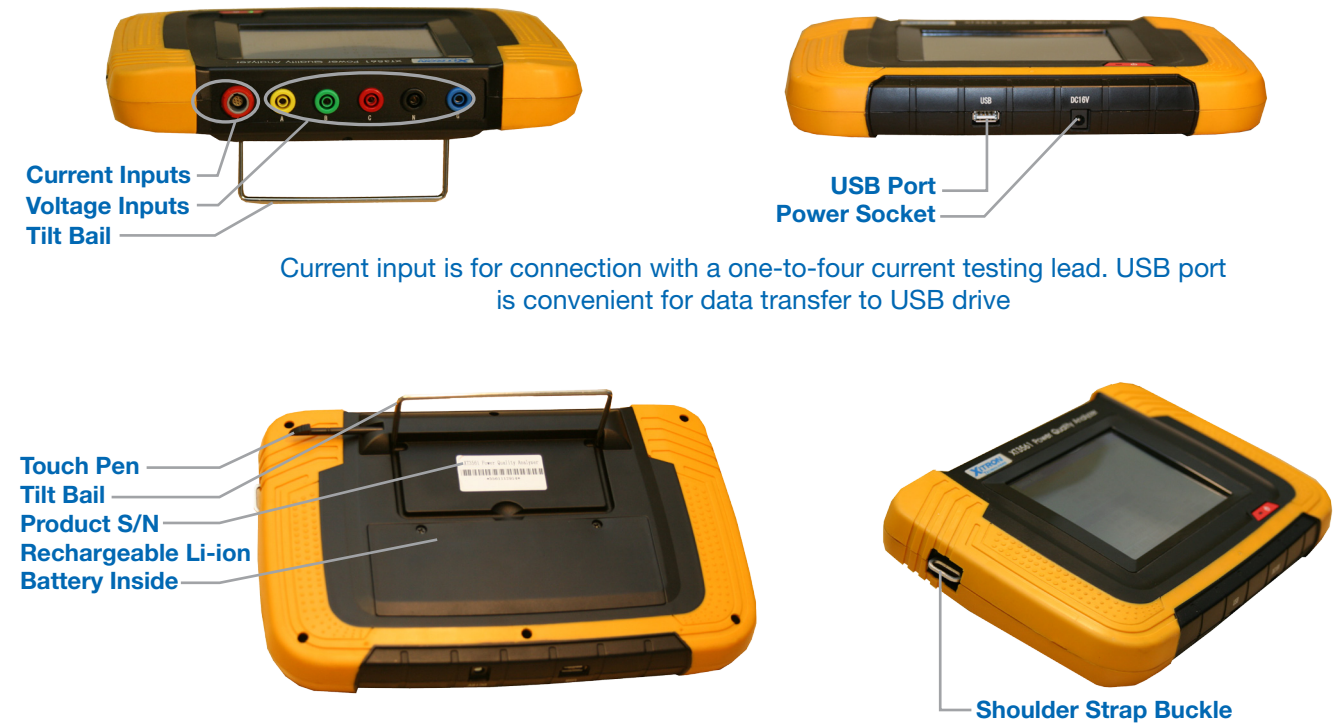
Dips/Swells & Fluctuation/Flicker

Specifications

- » LCD: 5.7" 320 x 240 TFT touch screen
- » Input Impedance: >2MΩ, 20pF
- » Measurement Range: Vrms 10 ~ 700V
- » Arms: 5A, 10A, 100A, 1000A, 1500A and 3000A (with appropriate current clamps)
- » Frequency: 40Hz ~ 1kHz
- » Harmonic Measurement: 1 ~ 50th harmonics
- » Inrush Current: 2000A
- » Peak Voltage: 1000V
- » Internal Memory: 16MB
- » External Memory: 256MB
- » Communication Port: USB
- » Weight (main unit): 1.2 kg
- » Battery: 5 hour duration after full charge

Typical Applications

- » Trouble-shooting: fast measurement and display for trouble-shooting
- » Predictive maintenance: test to avoid power quality problems before malfunctions occur
- » Service function: measure for power quality before use
- » Long-term analysis: recording function to help find out hidden and intermittent malfunctions
- » Load analysis: check quality of electric systems before adding loads
- » Energy evaluation: evaluate energy consumption before installation of energy-saving facilities



Current input is for connection with a one-to-four current testing lead. USB port is convenient for data transfer to USB drive

Shoulder strap buckle is fastened with a strap, convenient for carrying during testing. Tilt bail facilitates bench top or hanging operation, making it easy to view results.

Features

- » Portable design and color touch screen
- » High-performance Li-ion battery for long operating times
- » Test 3-phase volt, null line volt, 3-phase current, null line current, etc.
- » Up to 50th harmonic testing with frequency spectrum graph
- » Power testing: 3-phase apparent power, active power, reactive power, power factor, and 3-phase electric power.
- » 3-phase unbalance testing with color charts
- » Record at least 40 instances of surge current
- » Testing for wave motion, short-duration flicker and long-duration flicker
- » Record up to 40 instances of sag and swell
- » Long-term records of basic (stable) power quality parameters. Recording time interval adjustable between 3 second and 30 minutes.
- » Digital oscilloscope functions allow checking waveforms for voltage and current signal quality

Accessories

XiTRON's XT3561 includes standard: 1 carrying case, 4 color-coded current clamps (example of CC-500A shown below), 1 user manual, 5 alligator clips, 1 USB drive, 2 voltage probes, 1 software CD, 5 voltage testing leads and 1 power adaptor.

CC-1000A

Measurement range: 0-1000A
Conductor Size: 60mm (2.39")

CC-500A

Measurement range: 0-500A
Conductor Size: 48mm (1.85")

