

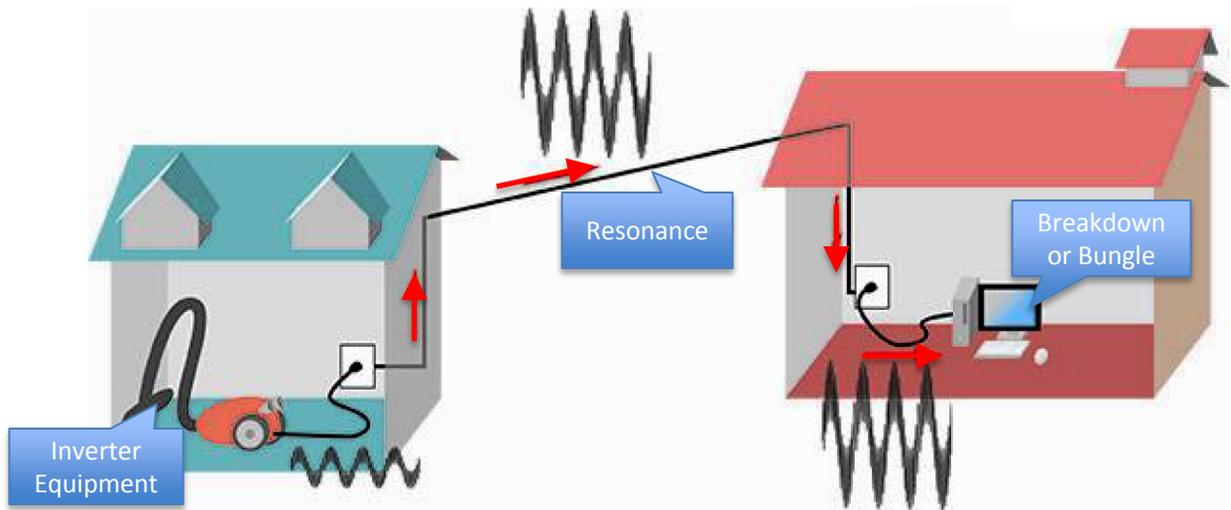
Power, Energy, Environment / Service, Maintenance

Measure the High-Order Harmonic Voltage and Current of Power Lines

Measure RMS values and waveforms of high-order harmonic voltage and current that may cause a malfunction and failure of the equipment connected to the power line.

■ Highlights

- Power Quality Analyzer PQ3198 detects an event when the RMS value of harmonics from which the fundamental is removed at intervals of 200 ms exceeds the set threshold value.
- PQ3198 can display the RMS values of high-order harmonic along with the maximum RMS value during the period of occurrence of the event, as well as the period of time from when the event occurs to when it ends. It can save event waveforms and high-order harmonic waveforms.
- Harmonic components can be measured in the wide frequency range from 2 kHz to 80 kHz.
- For a multi-phase system, the individual phases can be measured independently.



Measurement Example

High-Order Harmonic Current Waveform



Power Quality Analyzer
PQ3198



High-Order Harmonic Current Waveform

Products Used

- Power Quality Analyzer PQ3198
- Power Quality Analyzer PQ3198-92 (includes 600A sensor *4, PC application software)
- Power Quality Analyzer PQ3198-94 (includes 6000A sensor *4, PC application software)

Information valid as of March 2019. Specifications are subject to change and revision without notice.