

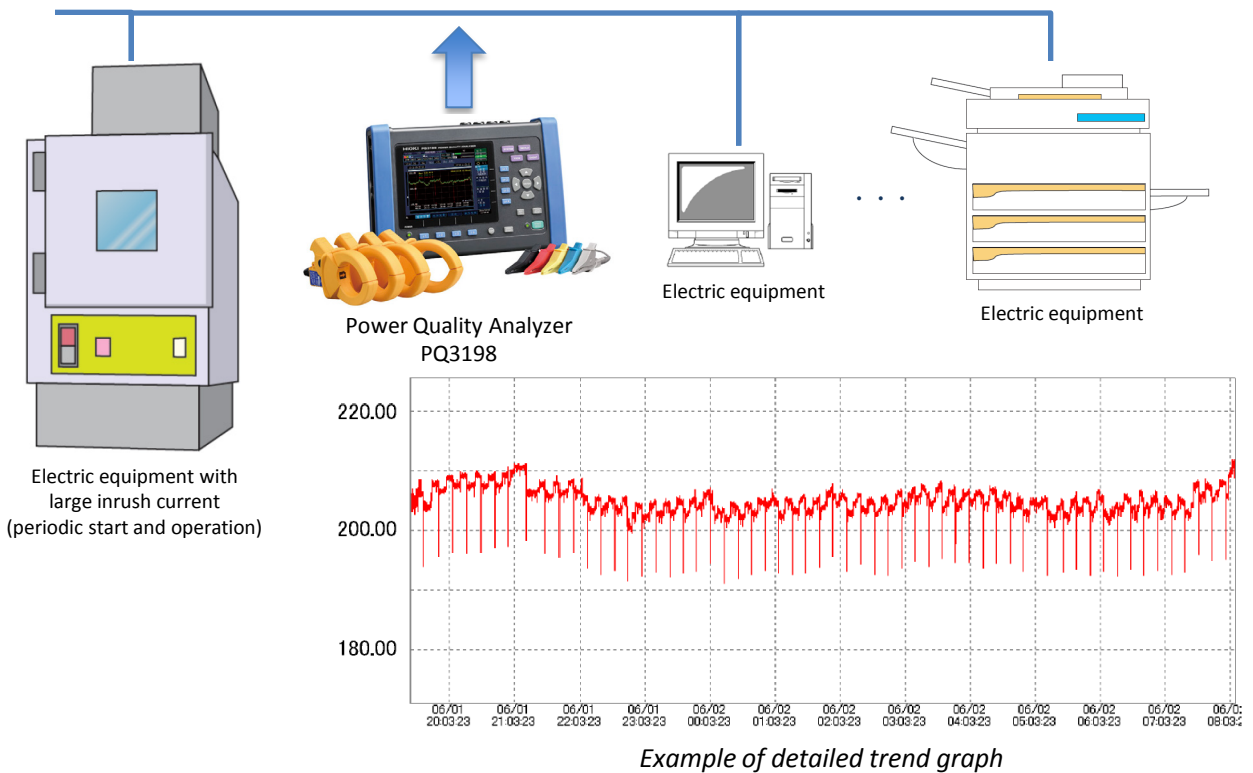
Power, Energy, Environment / Service, Maintenance

Measure periodical instantaneous voltage drops

Use the PQ3198 Power Quality Analyzer to detect periodical instantaneous voltage drops.

■ Highlight

- Instantaneous voltage drops may be caused by the periodic start and operation of a heater or other equipment with a high inrush current connected to the power supply line.
- The PQ3198 Power Quality Analyzer can analyze periodic voltage drops to identify the electric equipment that is causing it.



■ Analysis Example

It was determined that the instantaneous voltage drop in RMS voltage, which occurred about every 13 minutes, was caused by the start and operation of electric equipment with a high inrush current. In this example, the instantaneous voltage drop was about 190 Vrms. At this level (200 V +5%), most electrical equipment will work normally and such a drop will not be regarded as a problem. However, customers should be careful when adding new loads.

Products Used

- Power Quality Analyzer PQ3198-92 (includes 600A sensor *4, PC application software)
- Power Quality Analyzer PQ3198-94 (includes 6000A sensor *4, PC application software)
- Power Quality Analyzer PQ3100-91 (includes 600A sensor *2, PC application software)
- Power Quality Analyzer PQ3100-92 (includes 600A sensor *4, PC application software)
- Power Quality Analyzer PQ3100-94 (includes 6000A sensor *4, PC application software)

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