

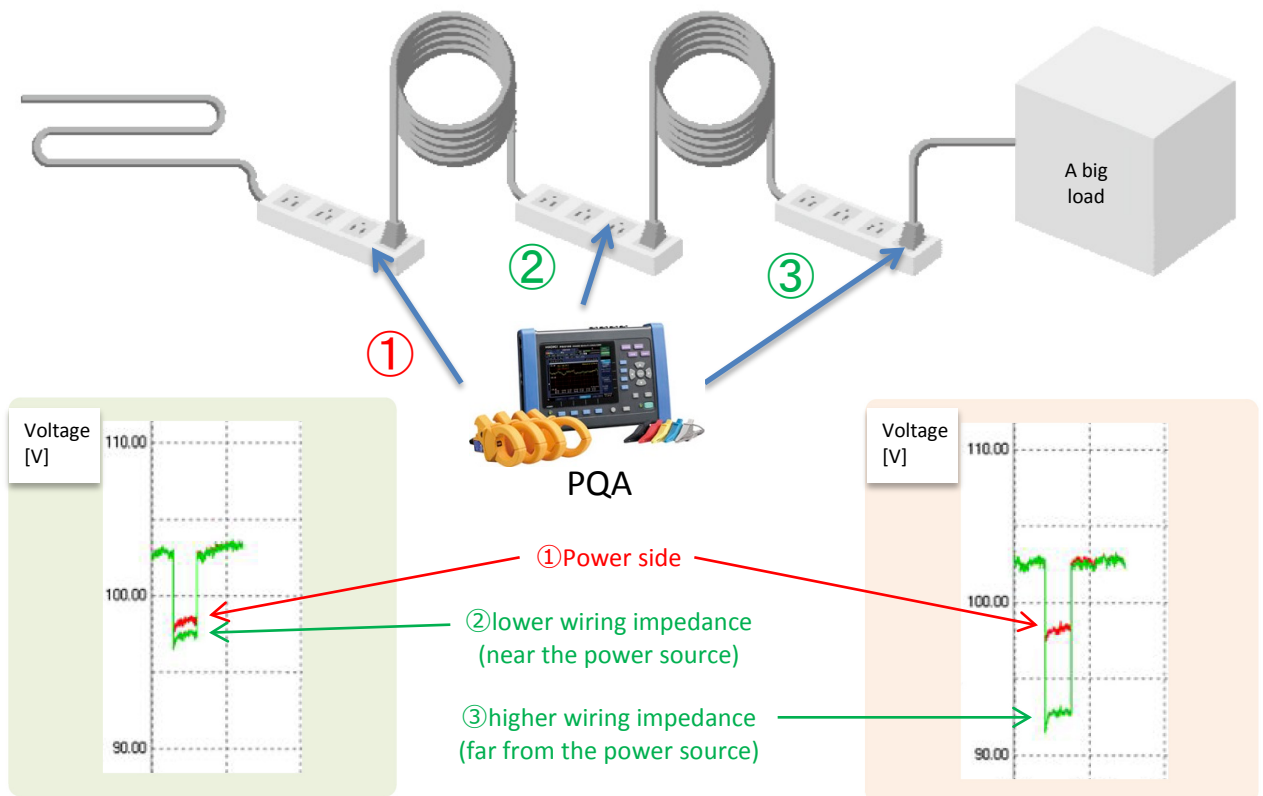
Power, Energy, Environment / Service, Maintenance

## Measure Voltage Drop Caused by Wiring Impedance

The PQ3198 Power Quality Analyzer can be used to measure a voltage drop caused by wiring impedance that may occur, for example, during an operation under a large load.

### ■ Highlights

- A longer and thinner wire results in a larger drop in load voltage caused by wiring impedance in relation to the power supply voltage, which will have an impact on other equipment.
- A dip event function of Hioki's Power Quality Analyzer PQ3198 is effective in detecting a voltage drop.
- PQ3198 detects the dip event when the voltage RMS value falls below the threshold value.
- When a dip event occurs, the PQ3198 records changes in the RMS value during a period of 0.5 second before the event and during a period of 29.5 seconds after the event, as well as instantaneous waveforms during a period of 200 ms when the event occurs.



### ■ The difference between PQ3198 and PQ3100

- PQ3198 records instantaneous waveforms of 200ms when occurring the voltage drop event and max. 1 sec after the event.
- PQ3100 records instantaneous waveforms of max. 1sec before the voltage drop event, 200ms when occurring the voltage drop event, and max. 10 secs after the event.

## Products Used

- Power Quality Analyzer PQ3198-92 (kit including 600A sensor\*4 and an application software)
- Power Quality Analyzer PQ3198-94 (kit including 6000A sensor\*4 and an application software)
- Power Quality Analyzer PQ3100-92 (kit including 600A sensor\*4 and an application software)
- Power Quality Analyzer PQ3100-94 (kit including 6000A sensor\*4 and an application software)

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