

Power, Energy, Environment / Service, Maintenance

Power Quality Survey of Solar Power Generation Systems

Just one instrument measures all the parameters required for the maintenance, operation check, and troubleshooting of solar power generation systems

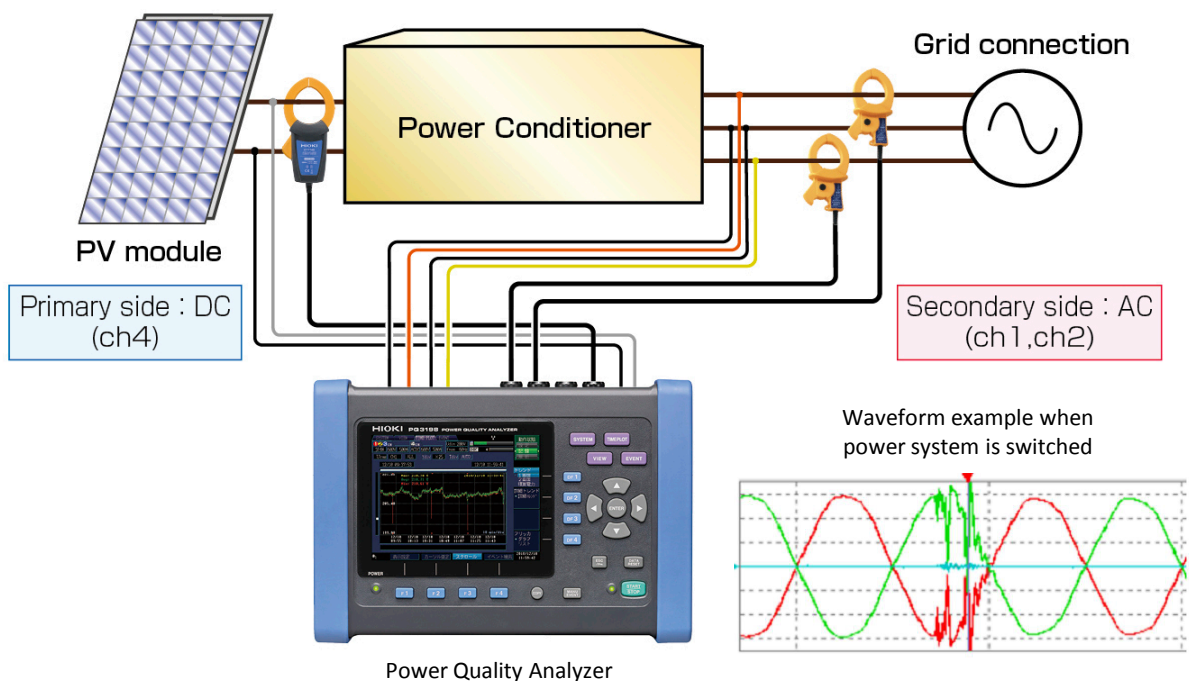
■ Highlights

- The PQ3198 Power Quality Analyzer can measure all parameters such as power quality, voltage/current RMS, inrush current, power, and electric energy simultaneously.
- An easy-to-set-up course is available which facilitates setting up the instrument just by selecting the wiring and clamp-on sensor and then from U Events, Standard Power Quality, Inrush current, Recording, and EN50160.
- Selecting Standard Power Quality in the easy-to-set-up course allows performing the following measurements.

Measurements at intervals of 10 minutes: Flicker, voltage RMS, harmonic RMS, total harmonic distortion rate, and power factor

Event setting items: Transient voltage, voltage swell, voltage dip, instantaneous power failure, voltage RMS, current RMS, voltage waveform peak, current waveform peak, frequency, voltage DC fluctuation (on channel 1 only), current DC fluctuation (on channel 4 only after the corresponding sensor is released), voltage unbalance ratio (reversed phase), 0-, 3-, 5-, 7-, 9-, and 11-order harmonic voltage, 0-order harmonic current, and total harmonic distortion ratio

- Up to 1,000 event waveforms (up to 55,000 when repeat recording is set to ON) can be saved to an SD card.
- In order to measure DC voltage, connect ch4 to the primary side of a PV module.



Products Used

- Power Quality Analyzer PQ3198
- Power Quality Analyzer PQ3198-92 (kit including 600A AC current sensor*4)
- Power Quality Analyzer PQ3198-94 (kit including 6000A AC current sensor*4)
- AC/DC Auto-Zero Current Sensor CT7731 (AC/DC 100A)

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