

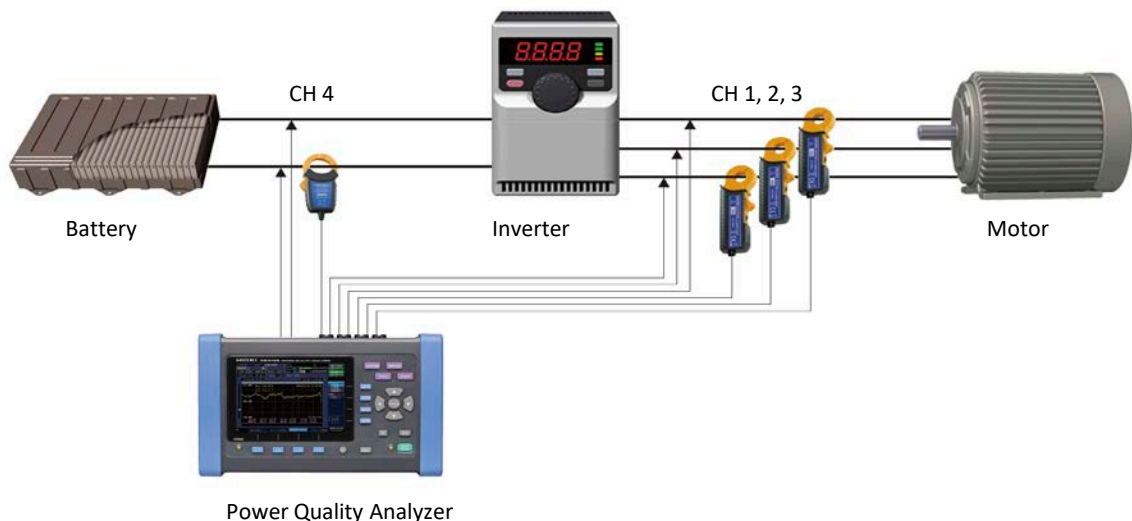
Power, Energy, Environment / Service, Maintenance

On-site Inverter Measurement

The PQ3198 power quality analyzer provides the data needed to simultaneously measure the maintenance, operational verification, and troubleshooting of an inverter.

■ Notes

- The PQ3198 power quality analyzer is used to measure commercial power where the frequencies at 50 or 60 Hz. But it can also measure the secondary side of inverters in the following frequency ranges:
 Fundamental frequency : 40~70Hz
 Carrier frequency : ~20KHz
- The PQ3198 power quality analyzer provides simultaneous measurements an inverter power quality measurements. Parameters such as the RMS value of voltage and current, the fundamental value of voltage and current, inrush current, power, power transmission efficiency, energy, harmonics, high-order harmonics (up to 80kHz) are measured simultaneously by this device.
- DC-3-phase inverter can be measured by one unit of the PQ3198.
- For more precise inverter measurement, Hioki recommends the Power Analyzer PW6001 or PW3390. Due to differences in measurement bands in power analyzer and power quality analyzer, the harmonic component of the carrier frequency measured in each instruments might effects the voltage RMS values. Thus, this may give you a different value. The current RMS and power values are close for both instruments incase the current waveform are close to the fundamental waveform.



Products Used

- Power Quality Analyzer PQ3198 (Main unit, an application software)
- 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)
- AC/DC Auto-Zero Current Sensor CT7736 (AC/DC600A、 ϕ 33mm)
- AC/DC Auto-Zero Current Sensor CT7731 (AC/DC100A、 ϕ 33mm)
- AC Current Sensor CT7136 (AC600A、 ϕ 46mm)
- AC Current Sensor CT7131 (AC100A、 ϕ 15mm)

Information valid as of May 2020. Specifications are subject to change and revision without notice.