

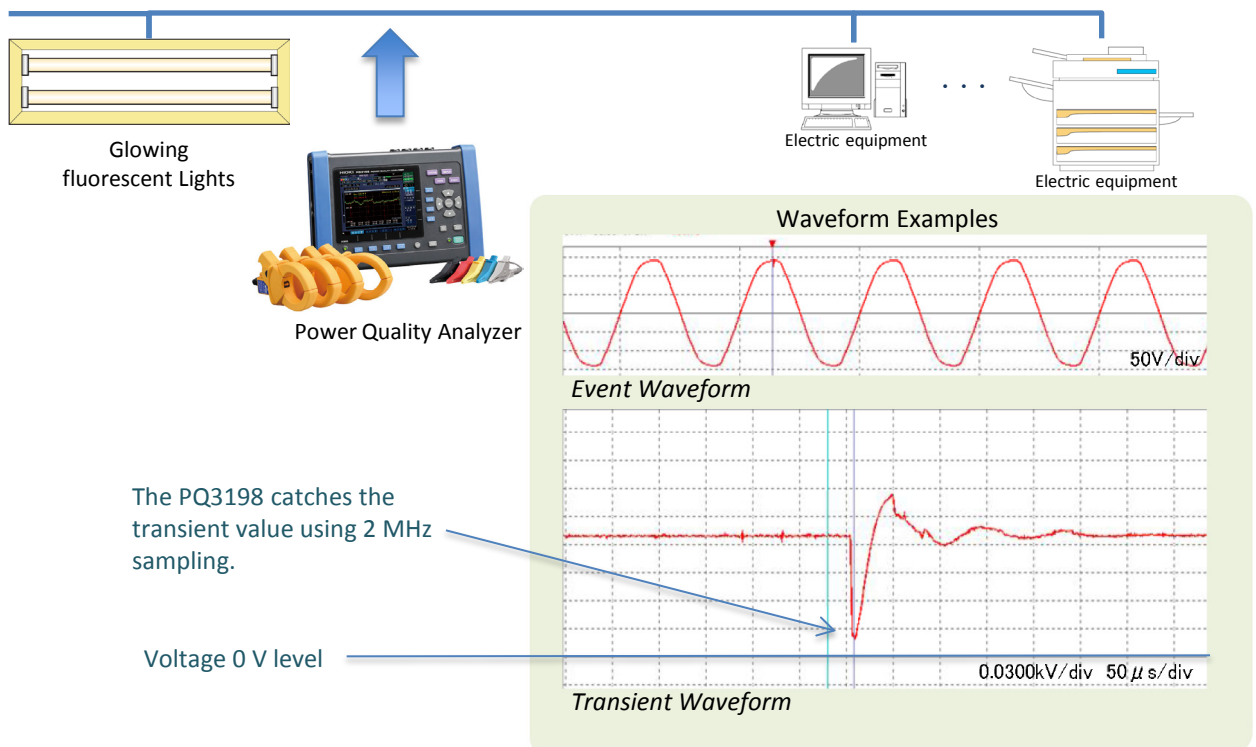
Power, Energy, Environment / Service, Maintenance

## Measure the Transient Voltage in Glowing Fluorescent Lights

With the PQ3198 Power Quality Analyzer, you can measure transient voltage that occurs when glowing fluorescent lights are turned on and impacts surrounding electrical equipment.

### ■ Highlights

- With a glowing fluorescent light, the filaments on both ends of the tube are preheated by the electrical discharge of the glowing tube when the light is turned on. Transient voltage occurs when the glowing tube flashes for the first time.
- The transient voltage event function of the PQ3198 detects a transient voltage event with a minimum detection time window of  $0.5 \mu\text{s}$ . The transient voltage event function records the transient waveform and event waveform when an event occurs, and the transient voltage value and transient width when a single event occurs, and the maximum transient voltage value, transient duration, and number of transients during the duration when a series of events occurs.



### ■ The difference between PQ3198 and PQ3100

- The transient voltage event function of PQ3100 is different from that of PQ3198 in frequency band (minimum detection width) and input level. Select the PQA that suits your purpose better.

PQ3198: 2MS/s ( $0.5\mu\text{s}$ ), 6000V

PQ3100: 200kS/s ( $5\mu\text{s}$ ), 2200V

### Products Used

- Power Quality Analyzer PQ3198
- Power Quality Analyzer PQ3198-92 (kit including 600A sensor\*4 and application software)
- Power Quality Analyzer PQ3198-94 (kit including 6000A sensor\*4 and application software)
- Power Quality Analyzer PQ3100
- Power Quality Analyzer PQ3100-91 (kit including 600A sensor\*2 and application software)
- Power Quality Analyzer PQ3100-92 (kit including 600A sensor\*4 and application software)
- Power Quality Analyzer PQ3100-94 (kit including 6000A sensor\*4 and application software)

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