PQ3100 POWER QUALITY ANALYZER

Measurement Guide

Thank you for purchasing the Hioki PQ3100 Power Quality Analyzer. This guide introduces the instrument's basic measurement procedure to first-time users with Quick Set.

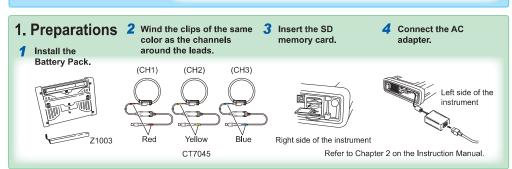
Before using the instrument, be sure to read the Instruction manual carefully.

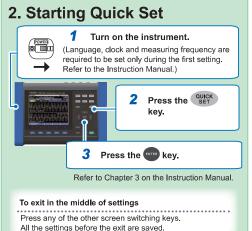


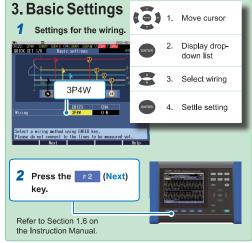
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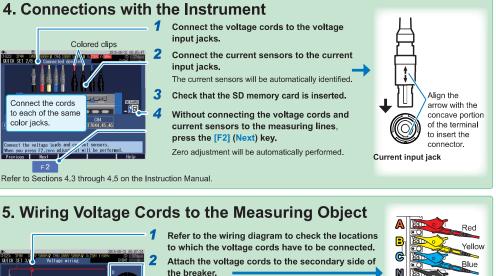
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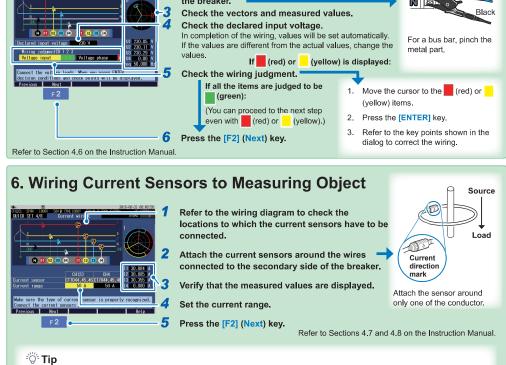










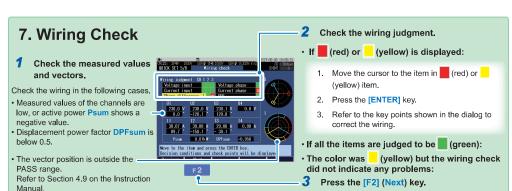


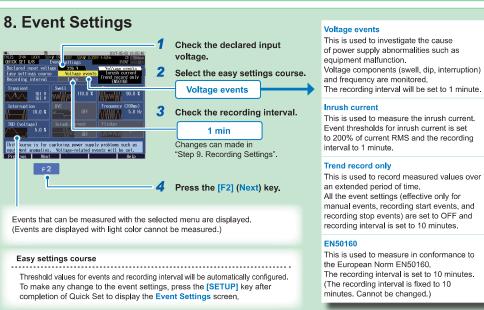
Set the current range based on the maximum load current expected to flow during the measurement period.

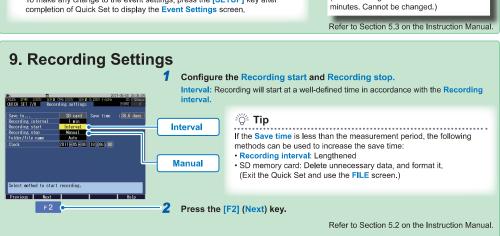
If the range is too low, the instrument will experience an overrange event during measurement. The error component increases if the

(Consult the operating status, load rating, breaker rating, and other data to make this determination.)

range is too high. Current cannot be measured accurately in any of the above cases.







10. Checking Settings and Recording

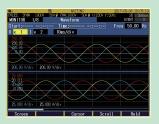
Refer to Chapter 7 on the Instruction Manual.

* Interval

9

5 min



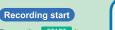




1 Check the settings.

interval*

To make any changes to the settings, press the [F1] (Previous) key to return to applicable screen. START/STOP LED



2 Press the START key.

The instrument enters the standby state (START/STOP LED: Blinking) The recording will start at the time set by the

The instrument enters the recording state, (START/ STOP LED: On)

To start recording after setting the items that are not listed in Quick Set.

Press the [F5] (End) key.

The settings configured up to this point will be saved



In case of Recording interval:

Recorded

Recorded

Recorded

Recording stop

3 Press the START key.

The recording stop dialog will be displayed.

4 Press the ENTER key.

Recording will be stopped. (START/STOP LED: Off)

Fluctuations in measured values during recording can be monitored.

Press the [TREND] key to display the TREND screen

The measured items in the form of a time series graph can be observed.



Refer to "8. Verifying the Trends (Fluctuations) in Measured Values" on the Instruction Manual for details.

Event occurrence status during recording can be monitored.

..... Press the [EVENT] key to display the **FVFNT** screen

Event occurrence status can be checked

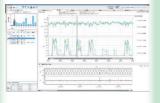


Refer to "9. Checking Events" on the Instruction Manual for details.

Recorded data can be postanalyzed with a computer.

Data after completion of recording can be analyzed with a computer using the supplied PC application

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Functions:

- · Observing time series data, event data, and event waveform
- · Observing statistics data
- Creating reports

Refer to "11. Analysis (with Computer)" on the Instruction Manual for details.

