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.

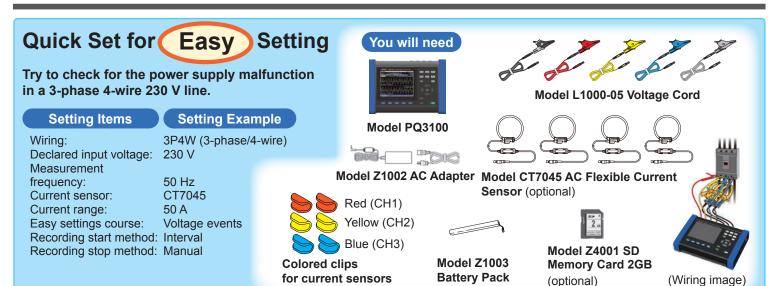
Before using the instrument, be sure to read the Instruction manual carefully.

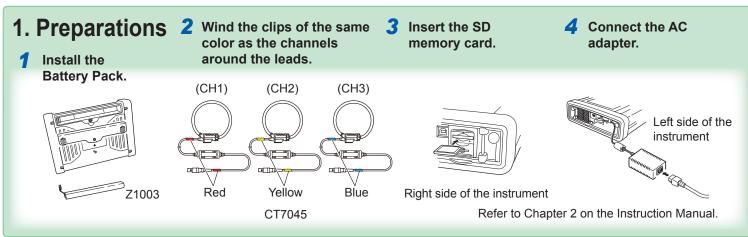


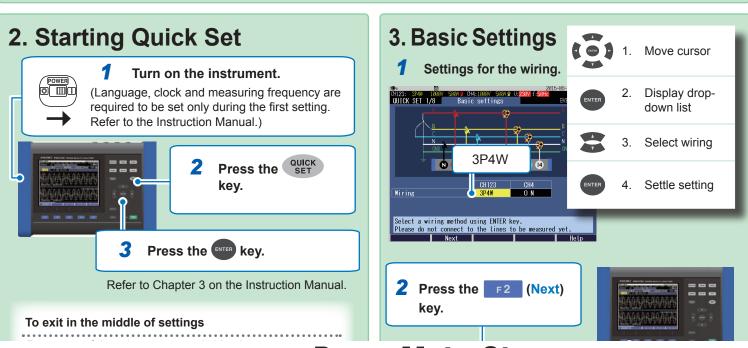
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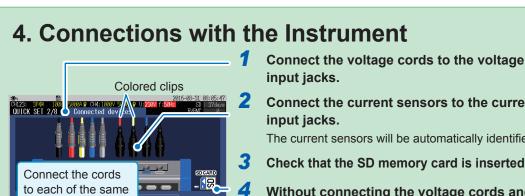
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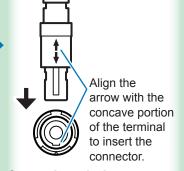
Connect the current sensors to the current

The current sensors will be automatically identified.

Check that the SD memory card is inserted.

Without connecting the voltage cords and current sensors to the measuring lines, press the [F2] (Next) key.

Zero adjustment will be automatically performed.



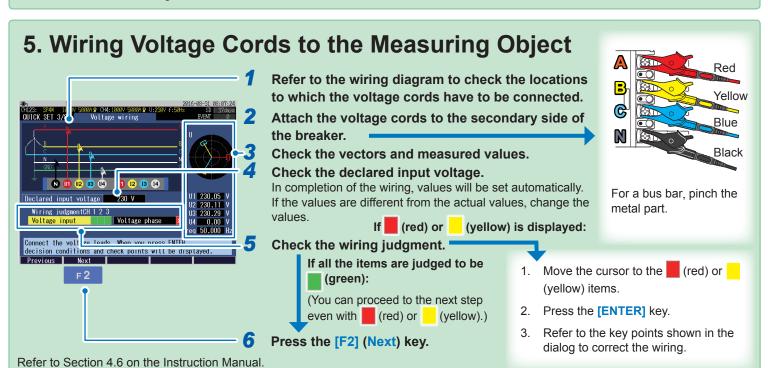
Current input jack

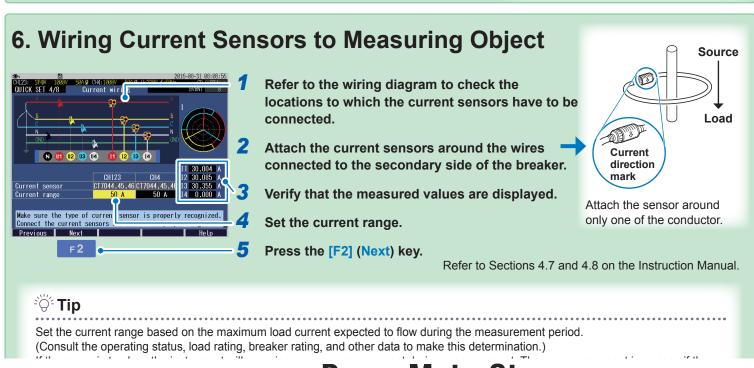
Refer to Sections 4.3 through 4.5 on the Instruction Manual.

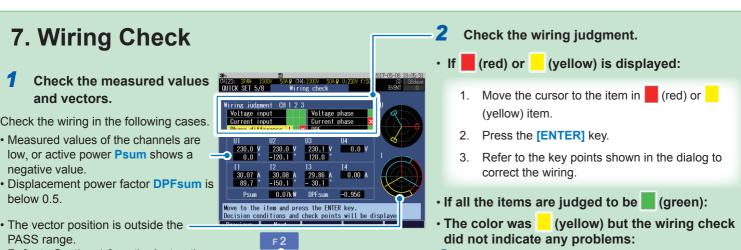
ent sensors. at will be performed.

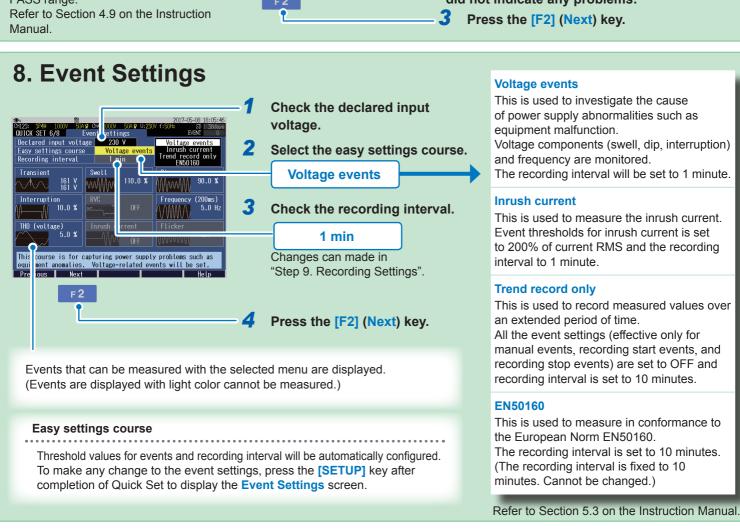
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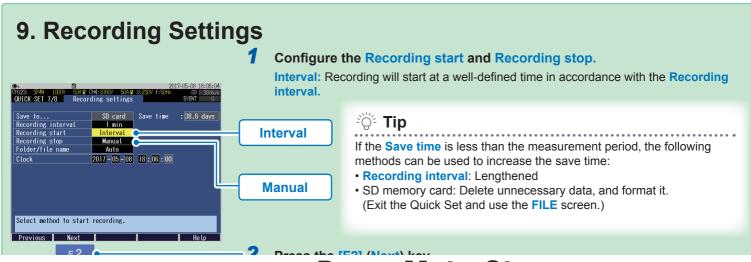
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10. Checking Settings and Recording

Refer to Chapter 7 on the Instruction Manual.



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1 Check the settings.

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

Recording start

2 Press the START ke



The instrument enters the standby state. (START/STOP LED: Blinking)

The recording will start at the time set by the interval*

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

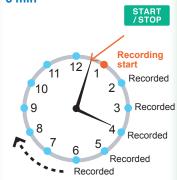
To start recording after setting the items that are not listed in Quick Set.

Press the [F5] (End) key.

The settings configured up to this point will be

*: Interval

In case of Recording interval: 5 min



Example 1: $4:02 \rightarrow 4:05$ Example 2: $12:43 \rightarrow 12:45$

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 **EVENT** screen.

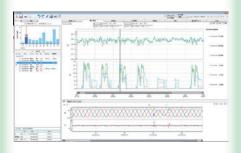
Event occurrence status can be checked.



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 software.



Functions:

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

Refer to "11. Analysis (with Computer)"