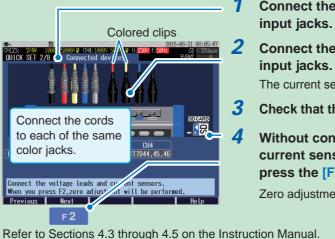
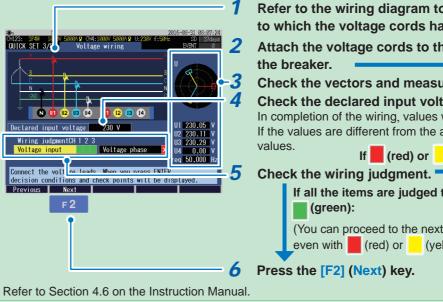


4. Connections with the Instrument



5. Wiring Voltage Cords to the Measuring Object



6. Wiring Current Sensors to Measuring Object



Refer to the wiring diagram to check the connected.

(green):

- Set the current range.
- Press the [F2] (Next) key.

°° Tip

Set the current range based on the maximum load current expected to flow during the measurement period. (Consult the operating status, load rating, breaker rating, and other data to make this determination.) If the range is too low, the instrument will experience an overrange event during measurement. The error component increases if the range is too high. Current cannot be measured accurately in any of the above cases.

Connect the voltage cords to the voltage

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.

Align the arrow with the concave portion of the terminal to insert the connector.

Red

Blue

For a bus bar, pinch the

Current input jack

A

₿

C

metal part.

Refer to the wiring diagram to check the locations to which the voltage cords have to be connected. Attach the voltage cords to the secondary side of

Check the vectors and measured values.

Check the declared input voltage. In completion of the wiring, values will be set automatically. If the values are different from the actual values, change the

If (red) or (yellow) is displayed:

If all the items are judged to be

(You can proceed to the next step even with (red) or (yellow).)

- (vellow) items. 2. Press the [ENTER] key.
- 3. Refer to the key points shown in the dialog to correct the wiring.

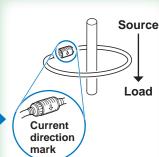
1. Move the cursor to the (red) or

locations to which the current sensors have to be

Attach the current sensors around the wires connected to the secondary side of the breaker.

Verify that the measured values are displayed.

Refer to Sections 4.7 and 4.8 on the Instruction Manual



Attach the sensor around

only one of the conductor.

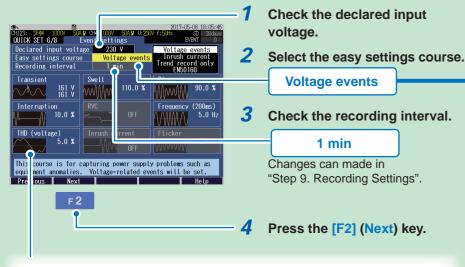


1 Check the measured values and vectors.

- Check the wiring in the following cases. Measured values of the channels are low, or active power **Psum** shows a
- negative value. Displacement power factor **DPFsum** is below 0.5.

• The vector position is outside the PASS range. Refer to Section 4.9 on the Instruction Manual.

8. Event Settings



CH123: 3P4W 1000V 50A & CH4:1000V 50A & U:2 OULCK SFT 5/8 Wiring check

230.0 V -120.1

-

Voltage phase Current phase

230.1 V 120.0

 30.07 A
 30.08 A
 29.86 A
 0.00 A

 89.7
 -150.1
 -30.1
 *

Psum 0.07kW DPFsum -0.956

Move to the item and press the ENTER key. Decision conditions and check points will be dist

0.0 V

Events that can be measured with the selected menu are displayed. (Events are displayed with light color cannot be measured.)

Easy settings course

ing start

ecording stop older/file name

Threshold values for events and recording interval will be automatically configured. To make any change to the event settings, press the [SETUP] key after completion of Quick Set to display the Event Settings screen.

Voltage events

2 Check the wiring judgment.

(yellow) item.

2. Press the [ENTER] key.

correct the wiring.

did not indicate any problems:

3 Press the [F2] (Next) key.

• If (red) or (yellow) is displayed:

1. Move the cursor to the item in (red) or

3. Refer to the key points shown in the dialog to

• The color was (yellow) but the wiring check

If all the items are judged to be (green):

This is used to investigate the cause of power supply abnormalities such as equipment malfunction.

Voltage components (swell, dip, interruption) and frequency are monitored.

The recording interval will be set to 1 minute.

Inrush current

This is used to measure the inrush current. Event thresholds for inrush current is set to 200% of current RMS and the recording interval to 1 minute.

Trend record only

This is used to record measured values over an extended period of time. All the event settings (effective only for manual events, recording start events, and recording stop events) are set to OFF and recording interval is set to 10 minutes.

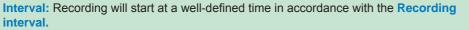
EN50160

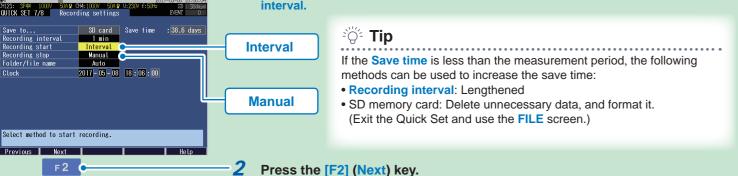
This is used to measure in conformance to the European Norm EN50160. The recording interval is set to 10 minutes. (The recording interval is fixed to 10 minutes. Cannot be changed.)

Refer to Section 5.3 on the Instruction Manual

9. Recording Settings 1



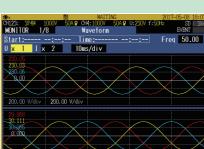




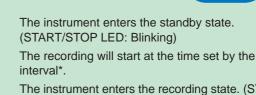
Refer to Section 5.2 on the Instruction Manual.

10. Checking Settings and Recording









applicable screen.

Recording start

STOP LED: On) that are not listed in Quick Set.

Press the [F5] (End) key. saved



EVENT screen.

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.

14:48:00 Time: Odays 19:35:10 CH12 ALL Ydiv Auto Tdiv Thour/div

Refer to "8. Verifying the Trends

(Fluctuations) in Measured Values"

on the Instruction Manual for details.

SD 1004 Event

ANG 203.10 V MIN 202.54



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

Refer to Chapter 7 on the Instruction Manual.

Check the settings.

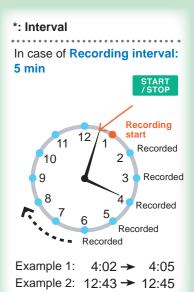
To make any changes to the settings, press the [F1] (Previous) key to return to



The instrument enters the recording state. (START/

To start recording after setting the items

The settings configured up to this point will be



The recording stop dialog will be displayed.

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

Event occurrence status during recording can be monitored.

Press the **[EVENT]** key to display the

Event occurrence status can be

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.

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14- 20/4HA	And	
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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.