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3390 POWER ANALYZER HIOKI **Measurement Guide**

May 2013 Revised edition 1 Printed in Japan 3390A983-01 13-05H

Thank you for purchasing the HIOKI "Model 3390 Power Analyzer." This guide introduces the Power Analyzer's basic measurement procedure to first-time users. Before using the instrument, be sure to read the Instruction Manual carefully.

Pre-connection inspection	Power cor
Voltage measurement cables Does any cable insulation appear damaged, is bare metal exposed?	, or 1
Current sensors Is a clamp cracked or damaged?	
Instrument Is damage to the instrument evident?	
If damage is found	
Contact your dealer or Hioki representa- tive if you find any damage.	
Power-on confirmation	
• Does the self-test (model and version) display appear?	
• When the self-test finishes, does the [Wiring] page of the Setting or Measurement screen appear (according to when the instrument was last turned off)?	3 Voltage measurement cables
If the self-test display does not	
The power cord may be damaged, or the instrument may have internal damage. Please contact your dealer or Hioki representative.	
Operation keys	MENU keys Select a screen.
	MEAS key: Mea SYSTEM key:
PAGE key Changes the screen	FILE key: File o

surement ranges. Pressing the + and - keys at the same time activates auto-ranging.

ESC key

· Cancels the last change to a setting, and returns it to its previous state. Hold for three seconds to toggle the

key lock

ENTER key

Accepts selections and changes to settings.

CURSOR key Move the cursors.

Read First





ment screen m screen ion screen

PEAK

PHASE

DATA RESET

START /STOP

__

SHIFT

ENTER

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SAVE key

- Saves data to the storage media.
- Press **SAVE** after pressing the **SHIFT** key to capture a screen image to the specified storage media or to print it out. (Screen capture)

HOLD key

Toggles the Hold and Peak Hold function

0 ADJ key

Performs zero adjustment and current sensor degaussing

DATA RESET key

Resets the integration values.

SHIFT key

Activates alternate key functions.

START/STOP key

Starts and stops integration and saving operations.



ENTER to execute.

When execute quick setup Executing quick setup automatically configures the following settings to the Hioki-recommended values for the selected wiring mode (phase system): voltage and current ranges, sync source, lower measurement frequency limit, integration mode, harmonic sync source and rectification method.

2 Verify that appropriate measurement values are displayed.

? Verify that the vectors are displayed with the appropriate range, and that vectors are not too short, or of unequal lengths.





Select



Select any parameter on this page for display.

This page displays an X-Y graph of measurement parameters selected for horizontal and vertical axes.



This page displays the numerical values of efficiency and loss determined by calculation formulas.