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3390 POWER ANALYZER HIOKI **Measurement Guide**

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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-conn	ection inspection	Power cor
-	surement cables ble insulation appear damage exposed?	d, or 1
Current sens	sors acked or damaged?	
Instrument Is damage to	the instrument evident?	
If damag	e is found	
	dealer or Hioki representa- dany damage.	
Power-or	n confirmation	
Does the s display app	elf-test (model and version) ear?	
[Wiring] p surement s	elf-test finishes, does the age of the Setting or Mea- creen appear (according to instrument was last turned	3 Voltage measurement cables
appear, of The power co instrument n	f-test display does not or if an error is displayed ord may be damaged, or the nay have internal damage. ct your dealer or Hioki repre-	
🔷 Ор	eration keys	MENU keys Select a screen. MEAS key: Mea SYSTEM key: File o FILE key: File o
	Changes the screer	5

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.



This page displays voltage, current, and noise waveforms. The waveforms can be saved.

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.