

Synchronized Input and Output Measurement of Three-Phase Inverters

Use the three-wattmeter method to perform synchronized input and output measurement of three-phase converters.

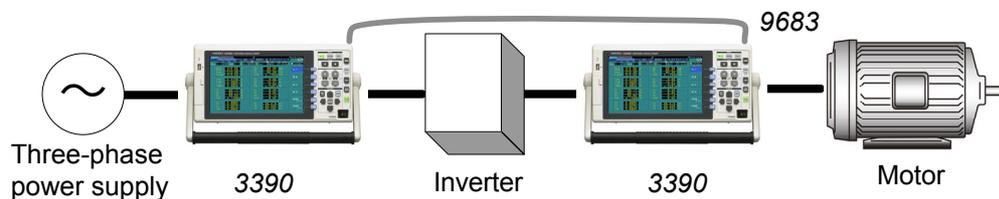
■ Highlights

- Acquire synchronized data at a rate of up to 50 ms using two 3390 Power Analyzers.
 - Time and control signals can be synchronized by connecting two 3390 Power Analyzers with the 9683 Connection Cable, thus enabling data to be saved at the same timing when recording data for a long period of time.
- Furthermore, synchronized start and stop operations lets you acquire data with the operation of just one master unit.

■ How to use

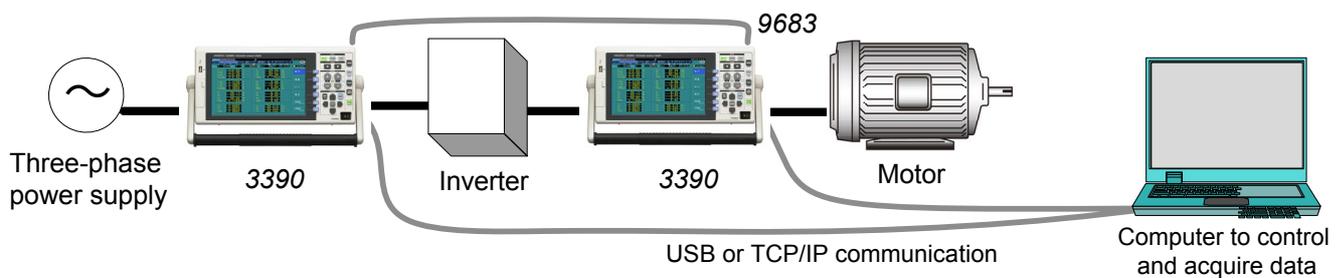
- Use the current sensor matching the measurement current.

【Connection example 1 : Saving data to a CF card】



- Set one 3390 unit to master and the other 3390 unit to slave and connect the two 3390 units with the 9683 cable.
- Set the items to save, data save destination (CF), folder, auto save (ON), and interval time.
- Press the START/STOP key to perform measurement and acquire data.

【Connection example 2 : Saving data to a PC using a dedicated application】



- Set one 3390 unit to master and the other 3390 unit to slave and connect the two 3390 units with the 9683 cable.
- Connect the 3390 units to the PC via USB or LAN.
- Set the items to save and interval time.
- Control and acquire data via USB or TCP/IP communication.

※ The dedicated application for the 3390 Power Analyzer can be downloaded from the HIOKI website.

Products used:

POWER ANALYZER 3390 x2
 CONNECTION CABLE 9683
 Clamp-on sensor is optional.