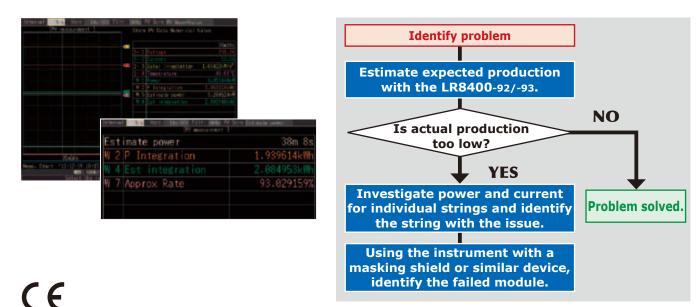




Solar Power Measuring Instruments for Maintenance and Inspection Applications



Verify the Correct Power Level to Solve Power Loss Problems PV POWER VERIFIER LR8400-92, LR8400-93



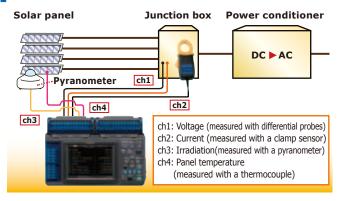
Features

- Estimate expected electricity production (estimated electrical energy).
 - Estimate the expected electricity production at the current time under continuously varying conditions of air temperature and insolation.
 - Compare the estimate with actual electricity production.
- Production can be measured without shutting off the circuit.
- Measure the production trend.
- Investigate module failures by identifying strings with wiring breaks and using the instrument in conjunction with a masking shield.
- Add up to 7 more channels of clamp or temperature measurements even in PV mode.
- When PV mode is turned OFF, the instrument can also be used as a 30-channel data logger.

Applications

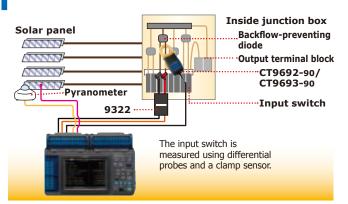
Investigate expected electricity production (estimated electrical energy)

Compare actual electricity production with the expected electricity production (estimated electricity production).

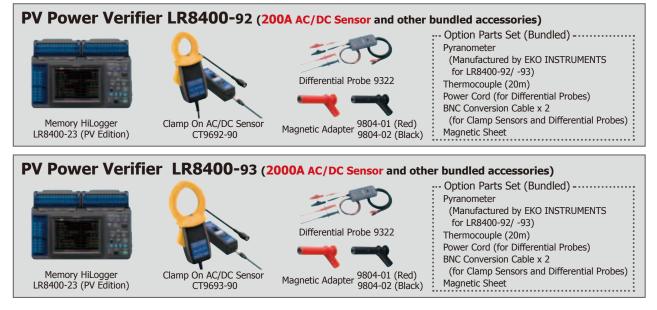


Investigate and identify failed strings

Investigate line failures by switching the string being measured.



System components



Options

Clamp On AC/DC Sensor CT9691-90 (AC/DC 100A) Clamp On AC/DC Sensor CT9692-90 (AC/DC 200A) Clamp On AC/DC Sensor CT9693-90 (AC/DC 2000A) Battery Pack Z1000 Carrying Case

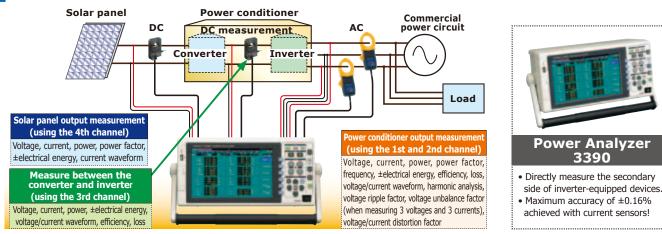
PC Card Precaution

Use only PC Cards sold by Hioki. Compatibility and performance are not guaranteed for PC cards made by other manufacturers. You may be unable to read from or save data to such cards.

Hioki Meets A Variety of PV Applications

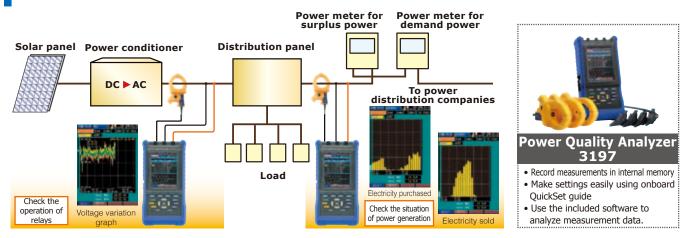
Identify power conditioner malfunctions

By combining the Hioki Power Analyzer Model 3390 with AC/DC current sensors, you can simultaneously measure power conditioner input and output characteristics. Connecting the instrument is simple with plug-in clamp sensors. Higher-accuracy measurement is also possible by using pass-through sensors. In a grid-tied system, this single instrument can also measure the amount of energy bought and sold over the power lines to which the power conditioner is connected.



Investigate the amount of energy sold

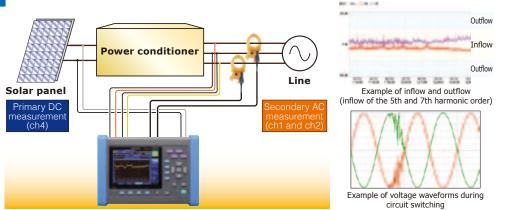
Measured values can be displayed as demand graphs showing the amount of energy bought and sold (average energy over 30 days), providing an understanding of how much power is being sold at a glance.



Assess the power quality of power conditioners

The PW3198 is ideal for maintaining systems and verifying their proper operation since it can measure all parameters simultaneously.

- Identify changes in the output voltage of the power conditioner Capture transient overvoltages
- Monitor for frequency fluctuations impacting system interconnectivity
 Power and integrated power
- Identify changes in the harmonic voltage and current included in the output





Simultaneously record time-series data, detect events, and monitor power with one single instrument. Simple configuration functionality ensures ease of use

Extensive Product Line Field Measuring Instruments



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All information correct as of June 30, 2015. All specifications are subject to change without notice

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