Testing System Interconnection Protection Function of Power Conditioners

Record voltage and current waveforms and test the steady-state characteristics, transient response, external failure, and action time of the system interconnection protection function of a power conditioner.

**Highlights**
- The 8860-50 MEMORY HiCORDER is used to perform tests in accordance with the testing procedure defined in JIS C8962.
- The 8961 High Voltage Unit option for the 8860-50 with isolated inputs can measure the voltage waveforms of input and output simultaneously.
- The 8940 Frequency/Voltage (F/V) Unit that can supply power to the current sensor facilitates connection.
- A variety of trigger types such as level, voltage drop, window, and period ensure recording of waveforms.

**Connection example**

**How to use**
- Select the appropriate current sensor according to the type and level of electric current.
- Set the trigger conditions and start measurement.
- Add conditions according to the individual test items.
- Obtain the action time from the recorded waveforms using the cursor measurement function.

For details on the testing procedure, refer to the JIS C8962-2008 Testing Procedure of Power Conditioner for Small Photovoltaic Power Generation Systems.

**Products used**
- MEMORY HiCORDER 8860-50
- HIGH VOLTAGE UNIT 8961
- MEMORY BOARD(32MW) 9715-50
- F/V UNIT 8940
- CONVERSION CABLE 9318
- CONVERSION CABLE 9705
- CLAMP ON PROBE 9272-10 (AC)
- UNIVERSAL CLAMP ON CT 9277 (AC/DC)
- UNIVERSAL CLAMP ON CT 9278 (AC/DC)
- UNIVERSAL CLAMP ON CT 9279 (AC/DC)