

## IS8000 Integrated Measurement Software Power of One

The IS8000 software platform is an integrated solution that accelerates engineering workflow. It is a revolutionary software that tightly integrates the timing, control, and data collection from multiple instruments, creating a comprehensive measurement suite platform that delivers confidence, efficiency, and unity.



The IS8000 evaluates all electrical and mechanical test faster for:

- Motor efficiency
- Switching waveform analysis for SiC Inverter
- Renewable energy development
- Analysis of robotics control
- Standardization test
- Power supply / lighting
- Industrial equipment testing

- Fast data acquisition up to 10MS/s
- Remote control DL950, DLM5000, WT5000
- Optional software package for IEC Harmonic and Flicker compliance test
- IEEE1588 | WT5000 and DL950 data is time correlated with less than 10  $\mu$ s error














### The Power of one




IS8000 is a new software solution that brings together the unique value of the individual members of our portfolio under one integrated platform. Combine measurements from Yokogawa's high-precision power analyzer, ScopeCorder, oscilloscope and 3<sup>rd</sup> party high-speed camera under the power of one.



### Scalability

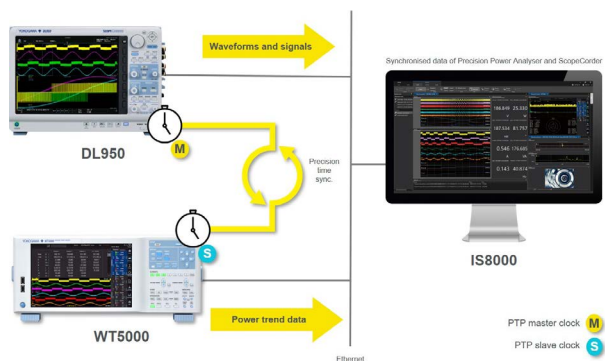
Using IS8000 Yokogawa instruments can be remotely operated, monitored and configured. However as your needs evolve, so does IS8000. Add-on functions to connect multiple instruments, to synchronise high precision power and waveform data from different instruments or enhanced math and report generator are available.

Device control	Measurement	Analysis	Export
Device Settings 	High-speed Acquisition 	Enhanced Viewer 	Export to CSV 
Remote Monitoring 	Power & Waveform Sync. 	FFT Analysis 	Export to MDF 
Connect to Multi units 	High-Speed Cam. Sync. 	Enhanced Math 	Report Generator 
IEC Harmonic/Flicker Test & Analysis 			

 Standard functions of the software platform  
 Add-on Functions  
 Only available in IS8011/8012

## Multi-unit time synchronization - SY1 option

Accurate power and waveform data synchronization across multiple channels with minimal error. Data from the WT5000 power analyzer and DL950 ScopeCorder is time correlated with less than 10 µs error using IEEE1588 technology.



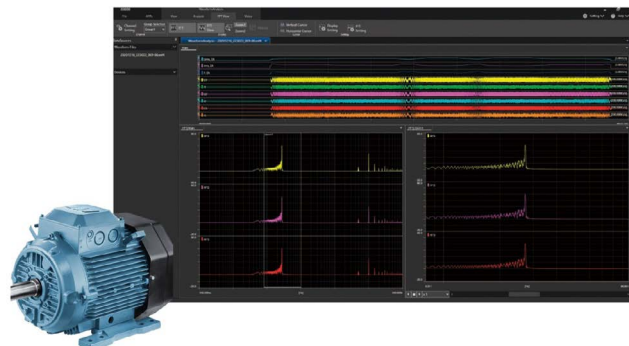
## High-Speed DAQ via 10-Gigabit Ethernet

Longer recording times are now possible for high-speed, multi-channel inputs such as gate signals and switching waveforms of multi-phase inverters. Combine the IS8000 with the DL950 ScopeCorder (/C60 option) and stream up to 8 channels at 10 MS/s or 16 channels at 5 MS/s.



## FFT and Math Function

Using the FFT and Math options IS8000 can measure up to 16 FFT processes and enables wealth of Match functions for automatic calculations and filter settings.



## IS8011/IS8012 Harmonic/Flicker Analysis Software

Designed to perform harmonic and flicker tests in accordance with IEC61000-3-2, 3-3, 3-11 and 3-12 standards using the WT5000 precision power analyzer. Users can easily set the conditions and output the test report without any specialized knowledge.

## Report Generator

Customized reports are easily created by dragging and dropping measurement data, waveforms and graphs.

## Why choose the IS8000?

**Unity** – Unification of Yokogawa instruments ensures measurement coherency during the product development process and allows for effortless data sharing throughout an organization. IS8000 makes it easier to debug and analyze data by viewing all measurements under one unified display

**Efficiency** – IS8000 allows you to streamline the product development process by spending less time developing testing systems and more time collecting valuable test data. With one software to setup and control all the instruments you need, you can start measuring data faster and more efficiently.

**Synchronization** – Storing data in one format and location has never been simpler. IS8000 gives you data you can trust by synchronizing measurements across multiple instruments utilizing an IEEE1588 time base

**Scalability** – With today's fast evolving technology, a software that has the ability to expand is crucial. As your needs evolve, so can IS8000. Analyze your data deeper with add-on software packages.

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