

Application Software for WT series Power Analyzers 761941 WTVIEWER E

WTVIEWER E software enables PC connectivity for Yokogawa power analyzers such as the WT3000E, WT1800E, WT500 and WT300E through Ethernet, USB, GPIB or RS232. This connectivity allows users to easily control, monitor, collect, analyze, and save measurements remotely.



Multi-unit Connection and Control

WTVIEWER E enables synchronized measurement of up to four WT units. The software auto detects connected units and displays a list. Users can then view and change measurement conditions such as wiring system, voltage and current range, update interval, synchronization source, display format, etc.

Versatile display for Multichannel Measurements

WTVIEWER E supports split screen displays for multichannel power measurements, allowing users to customize analysis. The software can simultaneously display up to 12 waveforms, 8 trends, 8 vectors and 6 harmonic bar graphs. Users can also save and load screen layouts.

Zoom on abnormalities

With WTVIEWER E, users can zoom on specific sections of interest (using cursors) for more detail on numerical, harmonic and waveform information and specify the necessary data to be saved in CSV format.



Remote measurements and analysis

In the online mode users have real time control of measurements from each connected unit. Users can start or stop integration and remotely monitor and collect live measurement values. In offline mode users can analyze the latest acquired or previously stored data.

Ideal for multichannel power measurements

The WTViewerE allows users to:

- Connect, synchronize and configure up to four WT units via Ethernet, USB, GPIB or RS232
- Remotely monitor, collect, and analyze live or stored multichannel measurements in a numeric, bar, trend, or vector formats
- Enables user defined computation such as efficiency with measured data from multiple units
- Save/load configuration and measurement data

Overview of specifications

Compatible WT series model and permissible combinations for multi unit connections

Series model	Number of permissible connections	Model	Firmware version
WT3000E/WT3000 series	Up to 4 units from all 8 models	WT3001E/WT3002E/WT3003E/WT3004E	No restriction
		WT3000 (760301/760302/760303/760304)	6.11 or later
WT1800E/WT1800 series	Up to 4 units from all 12 models	WT1801E/WT1802E/WT1803E/WT1804E/WT1805E/ WT1806E	No restriction
		WT1801/WT1802/WT1803/WT1804/WT1805/WT1806	2.31 or later
WT500 series	Up to 4 units from all 3 models	WT500 (760201/760202/760203)	1.21 or later
WT300E/WT300 series	Up to 4 units from all 8 models	WT310E/WT310EH/WT332E/WT333E WT310/WT310HC/WT332/WT333	No restriction

Functions

Measuring items	Normal, Harmonics, Integration
Display screens	Numeric, Waveform ^{1,4} , Trend, Harmonic list ² , Harmonic bar graph ² , Vector ^{2,3} and Analysis graph
Data acquisition interval	50 ms at maximum speed
Data conversion	Numeric and Waveform data: CSV format (.csv)

*1 Harmonic measurement option must be installed in the WT300 or WT300E.

*2 Harmonic measurement option must be installed in the WT.

*3 A vector window cannot be displayed on the WT300 or WT300E.

*4 When WT update interval is 1 second or longer and the WT waveform observation period is same as the update interval, measured waveform data can be acquired continuously.

Continuous waveform data cannot be acquired from the WT300 or WT300E.

System Requirements

PC	Equivalent to Intel Core i5-2430M or higher with 4 GB RAM or higher and 1 TB free space on HDD
Operating system	English version of Windows 7, Windows 8.1, or Windows 10
Communication interface	GPIB, RS232, Ethernet (10BASE-T, 100BASE-TX, or 1000BASE-T), USB Rev. 1.1 or higher

Model

Model	Product name
761941	WTViewerE

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NOTICE

- Before operating the product, read the user's manual thoroughly for proper and safe operation.

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