# User's Manual

# WT1800 Precision Power Analyzer Features Guide

## Notice of Alterations

Please make the following alterations to the User's Manual IM WT1801-01EN on the included CD-ROM.

## ■ 2-20 page "Data Update Interval (UPDATE RATE)"

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At each data update interval, the numeric data is updated, stored, transmitted through a communication interface, and converted and output as analog signals.
If the waveform display is enabled and the trigger mode is set to Auto or Normal, the data update interval depends on the trigger operation.
To capture relatively fast load fluctuations in the power system, select a fast data update rate.
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**Current Rate**

Displays the current data update interval. You can press a soft key to select a data update interval from the options listed above.
►See chapter 10 "Waveform Display".

## ■ 7-5 page "Notes about the Numeric Data Display"

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- .....
  - When the Crest Factor Is Set to CF3
    When Urms, Uac, Irms, or Iac is 0.3% or less When Umn, Urmn, Imn, or Irmn is 2% or less
  - .....
- .....

## ■ 10-1 page "Waveform Display (WAVE)"

### Measurement Mode during Waveform Display

If the measurement mode display is set to Normal Mode (Trg), measurement takes place from when a trigger is detected over the data update interval. The following amount of time is required for the WT1800 to compute the measured data, process it for displaying, and so on, and become ready for the next trigger.

- When the data update interval is 50 ms to 500 ms: Approx. 1 s
- When the data update interval is 1 s to 5 s: Data update interval + 500 ms

In this case, storage, communication output, and D/A output operate in sync with the triggers.
If the measurement mode display is set to Normal Mode, storage, communication output, and D/A output operate in sync with the data update interval.

## ■ 16-3 page "Wiring System during High Speed Data Capturing"

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  - 1P2W: Single-phase, two-wire system (DC signal)
  - 3P4W: Three-phase, four-wire system
  - 3P3W (3V3A): Three-voltage, three-current method

## ■ 17-1 page "Wiring System during High Speed Data Capturing"

You can store numeric data in binary format to the internal RAM disk or a USB memory device. You can store the data at the data update interval or at a specified time interval (if the waveform display is enabled and the trigger mode is set to Auto or Normal, the data update interval depends on the trigger operation). You can convert stored binary data to ASCII (.csv) format. You can analyze the converted data on a PC. You cannot use the WT1800 to recall stored data.

## ■ 17-3 page "Storage Interval (Interval)"

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- .....
- .....
- If the waveform display is enabled and the trigger mode is set to Auto or Normal, the data update interval depends on the trigger operation.
  ►See chapter 10 "Waveform Display".