


Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa WT500 Power Analyzer

The Yokogawa WT500 is a mid-range power analyzer in the WT500 family providing precision voltage, current, and power measurement for inverter, motor-drive, and power-conversion testing. Single/three-phase power and efficiency measurement; standby power and harmonic evaluation; production and R&D power analyzer validation; automated test with remote interfaces. Data Update Rate: 100 ms to 20 s (model dependent) Harmonic Measurement: optional /G5 on applicable models Interfaces: USB standard; GP-IB and Ethernet optional Operating Temperature: 0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT500



MODEL

Yokogawa WT500

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

WT500

LISTING

<https://aumictechlabs.com/products/WT500-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa WT500 is a mid-range power analyzer for simultaneous single-phase and three-phase measurements of voltage, current, power, and harmonic components. It measures AC and DC signals concurrently, making it essential for evaluating DC/AC conversion in renewable energy applications. The instrument performs efficiency calculations, transient analysis, and power quality assessment with harmonic measurements to the 50th order. A 5.7-inch color TFT LCD displays numerical values, waveforms, trends, and optional vector/bar graph formats. Data exports directly to USB memory in CSV format. Technical Specifications Voltage Measurement: 0.1 V to 1000 V; 1.5 V to 1000 V; 15 V to 1000 V; selectable 15/30/60/100/150/300/600/1000 V ranges; up to 1000 Vrms Current Measurement (Direct): 0.5 A to 40 A; 5 mA to 30 A; up to 40 Arms

Current Measurement (External Sensor): 50 mV to 10 V selectable input ranges Basic Power Accuracy: $\pm 0.1\%$ of reading $\pm 0.1\%$ of range; $\pm 0.2\%$ alternate specification Measurement Bandwidth: DC to 100 kHz; 0.1 Hz to 1 MHz Sampling Frequency: Approximately 100 kS/s Crest Factor: 3 or greater Internal Memory: 20 MB or 2 GB options Power Supply: 100–240 VAC (auto-switching), 50/60 Hz Power Consumption: Max 80 VA Key Features Simultaneous AC/DC signal measurement for renewable energy and power conversion analysis Harmonic analysis up to 50th order with optional /G5 power quality module Total harmonic distortion (THD) measurement without mode switching Dual efficiency calculations via input/output element selection Integration functions for charge/discharge current and bought/sold power evaluation Average active power over user-defined integration intervals Transient analysis capability Typical Applications Power supply and inverter testing Motor efficiency characterization Energy-saving equipment evaluation Photovoltaic power generation system analysis Secondary cell charge/discharge profiling Compatibility & Integration USB data export (CSV format) USB, GPIB, Ethernet, and RS-232C communication interfaces (optional) External USB memory storage up to 1 GB

Features & description

From manufacturer datasheet

Features

- 1, 2, or 3 elements (760201 to 760203) input element(s)

WT500 Characteristics / Specifications

PARAMETER	VALUE
Model	WT500
Manufacturer	Yokogawa
Instrument Type	Power Analyzer
Series	WT500
Input Elements	1, 2, or 3 elements (760201 to 760203)
Basic Power Accuracy	+/-0.1% basic power accuracy
Frequency Range	DC, 0.5 Hz to 100 kHz
Voltage Range	15 to 1000 V
Current Range	0.5 to 40 A direct
Crest Factor	3 (6 or 6A on reduced ranges)
Display	5.7-inch TFT color LCD
Data Update Rate	100 ms to 20 s (model dependent)
Harmonic Measurement	optional /G5 on applicable models
Interfaces	USB standard; GP-IB and Ethernet optional
Power Supply	100 to 240 VAC, 50/60 Hz
Operating Temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT500
Voltage Ranges	15 to 1000 V
Current Ranges	0.5 to 40 A direct
Internal Memory	20 MB
Harmonic Order	up to 50th with /G5 option
Models	760201 (1 ch); 760202 (2 ch); 760203 (3 ch)
Sold Watt Hour Measurement	supported Notes Specs from Yokogawa WT500 datasheet (WT500). 20 MB internal memory; optional /G5 harmonics to 50th order.
Bandwidth	DC, 0.5 Hz to 100 kHz
Storage temperature	20 to 60 degC Alias: WT500

WT500 Specifications

PARAMETER	VALUE
Key Features	- 1, 2, or 3 elements (760201 to 760203) input element(s)
Technical Specifications	Model: WT500
Notes	Specs from Yokogawa WT500 datasheet (WT500). 20 MB internal memory; optional /G5 harmonics to 50th order.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 to 60 degC Alias: WT500
Operating temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT500
Operating Temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT500
Voltage Ranges	15 to 1000 V
Current Ranges	0.5 to 40 A direct
Internal Memory	20 MB
Harmonic Order	up to 50th with /G5 option
Models	760201 (1 ch); 760202 (2 ch); 760203 (3 ch)
Sold Watt Hour Measurement	supported Notes Specs from Yokogawa WT500 datasheet (WT500). 20 MB internal memory; optional /G5 harmonics to 50th order.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	WT500
Manufacturer	Yokogawa
Instrument Type	Power Analyzer
Specifications	
PARAMETER	VALUE
Series	WT500
Input Elements	1, 2, or 3 elements (760201 to 760203)
Basic Power Accuracy	+/-0.1% basic power accuracy
Specifications	
PARAMETER	VALUE
Frequency Range	DC, 0.5 Hz to 100 kHz
Voltage Range	15 to 1000 V
Current Range	0.5 to 40 A direct
Specifications	
PARAMETER	VALUE
Crest Factor	3 (6 or 6A on reduced ranges)
Display	5.7-inch TFT color LCD
Data Update Rate	100 ms to 20 s (model dependent)
Specifications	
PARAMETER	VALUE
Harmonic Measurement	optional /G5 on applicable models
Interfaces	USB standard; GP-IB and Ethernet optional
Power Supply	100 to 240 VAC, 50/60 Hz

Specifications

PARAMETER	VALUE
Operating Temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT500
Voltage Ranges	15 to 1000 V
Current Ranges	0.5 to 40 A direct

Specifications

PARAMETER	VALUE
Internal Memory	20 MB
Harmonic Order	up to 50th with /G5 option
Models	760201 (1 ch); 760202 (2 ch); 760203 (3 ch)

Sold Watt Hour Measurement: supported

Notes

Specs from Yokogawa WT500 datasheet (WT500). 20 MB internal memory; optional /G5 harmonics to 50th order.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.