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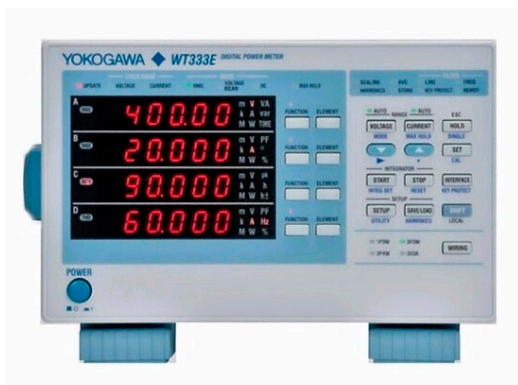
Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa WT333E Digital Power Meter

The Yokogawa WT333E is a digital power analyzer in the WT300E 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/RS-232/Ethernet optional Operating Temperature: 0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT333E



MODEL

**Yokogawa
WT333E**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

WT333E

LISTING

<https://aumictechlabs.com/products/wt333e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa WT333E is a precision digital power meter engineered for AC and DC power measurements across R&D, production testing, quality assurance, and device evaluation environments. It delivers basic accuracy of $\pm(0.1\%$ of reading + 0.05% of effective value measuring range) or $\pm 0.15\%$ of reading at 50/60 Hz, with simultaneous measurement of RMS, MEAN, and DC voltage alongside harmonic components and THD. The instrument supports multiple wiring configurations - single-phase three-wire, three-phase three-wire, three-phase four-wire, and three-voltage three-current - making it adaptable to diverse power distribution topologies. Technical Specifications Measurement Range & Accuracy Voltage: 6 ranges from 15 V

to 600 V RMS; up to 1200 V RMS with modified range (1000 V RMS maximum input) Current: 6 ranges from 0.5 A to 20 A direct input; down to 50 μ A with specified accuracy; 5 mA minimum range with 100 μ W resolution Frequency bandwidth: DC, 0.1 Hz to 100 kHz for both voltage and current Sampling rate: 100 kS/s Crest factor: Measurable up to 300 $\times$ in all ranges Data update rate: 100/250/500 ms/1/2/5/10/20 s, Auto selectable External Sensor Inputs EX1 channel: 2.5 V, 5 V, 10 V ranges EX2 channel: 50 mV, 100 mV, 200 mV, 500 mV, 1 V, 2 V ranges Harmonics & Integration Harmonic measurement: Up to 50th order (requires /G5 option) THD calculation: Included with harmonics analysis; PLL synchronization supported Integration time: Up to 10,000 hours with measurements for energy (Wh) and current (Ah); automatic range setting in integration modeKey Features $\pm$ 0.15% basic accuracy at fundamental frequency Simultaneous multi-parameter acquisition High-speed automatic ranging during integration Selectable data update rates from 100 ms to 20 sTypical Applications Power supply characterization and efficiency testing Motor and drive evaluation Home appliance energy auditing Automotive electronics power profiling Manufacturing quality control and acceptance testingCompatibility & Integration USB (standard) GPIB/IEEE-488 or RS-232-C selectable (-C2 option) Ethernet with Modbus/TCP (-C7 option) WtViewerE free PC application for parameterization, control, and data acquisition WtViewerFreePlus for monitoring and logging up to 200 parameters

WT333E Characteristics / Specifications

PARAMETER	VALUE
Model	WT333E
Manufacturer	Yokogawa
Instrument Type	Power Analyzer
Series	WT300E
Input Elements	3 elements
Basic Power Accuracy	+/- (0.1% of reading + 0.05% of range) at 50/60 Hz
Frequency Range	DC, 0.1 Hz to 100 kHz
Voltage Range	15 to 1000 V
Current Range	0.5 to 20 A direct; external sensor /EX1 /EX2
Crest Factor	3 (6 or 6A on reduced ranges)
Display	100 ms update rate class
Data Update Rate	100 ms to 20 s (model dependent)
Harmonic Measurement	optional /G5 on applicable models
Interfaces	USB standard; GP-IB/RS-232/Ethernet optional
Power Supply	100 to 240 VAC, 50/60 Hz
Operating Temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT333E
Voltage Ranges	15, 30, 60, 100, 150, 300, 600, 1000 V
Current Ranges	0.5, 1, 2, 5, 10, 20 A
Sampling Rate	approx. 50 kS/s
External Sensor /EX	50 mV to 2 V
Modbus/TCP	supported Notes Specs from Yokogawa WT300E datasheet (WT333E). Three-element three-phase four-wire measurement.
Bandwidth	DC, 0.1 Hz to 100 kHz
Storage temperature	20 to 60 degC Alias: WT333E

WT333E Specifications

PARAMETER	VALUE
Yokogawa WT333E Digital Power Analyzer	Overview
Key Features	- 3 elements input element(s)
Technical Specifications	Model: WT333E
Notes	Specs from Yokogawa WT300E datasheet (WT333E). Three-element three-phase four-wire measurement.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 to 60 degC Alias: WT333E
Operating temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT333E
Operating Temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT333E
Voltage Ranges	15, 30, 60, 100, 150, 300, 600, 1000 V
Current Ranges	0.5, 1, 2, 5, 10, 20 A
Sampling Rate	approx. 50 kS/s
External Sensor /EX	50 mV to 2 V
Modbus/TCP	supported Notes Specs from Yokogawa WT300E datasheet (WT333E). Three-element three-phase four-wire measurement.

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	
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Instrument Type	Power Analyzer
Specifications	
PARAMETER	VALUE
Series	WT300E
Input Elements	3 elements
Basic Power Accuracy	+/- (0.1% of reading + 0.05% of range) at 50/60 Hz
Specifications	
PARAMETER	VALUE
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Specifications	
PARAMETER	VALUE
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Specifications	
PARAMETER	VALUE
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Specifications

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Voltage Ranges	15, 30, 60, 100, 150, 300, 600, 1000 V
Current Ranges	0.5, 1, 2, 5, 10, 20 A

Specifications

PARAMETER	VALUE
Sampling Rate	approx. 50 kS/s
External Sensor /EX1	2.5/5/10 V
External Sensor /EX2	50 mV to 2 V

Modbus/TCP: supported

Notes

Specs from Yokogawa WT300E datasheet (WT333E). Three-element three-phase four-wire measurement.

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.