

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

July 31, 2026

YOKOGAWA

Yokogawa WT1600 Digital Power Meter

The Yokogawa WT1600 is a high-precision, wide-bandwidth digital power meter. Yokogawa documentation describes it as suitable for measuring extremely small currents in energy-saving equipment as well as large currents for evaluating large loads, with voltage coverage from 1.5 V to 1000 V and up to six input elements in one instrument for multiphase and inverter I/O measurements. The WT1600 is intended for inverter efficiency testing, three-phase inverter motor evaluation, illumination-inverter characterization, standby and energy-saving current measurement, large-motor power analysis, and long-term trend/integration studies. A single unit can measure both inverter input and output; two synchronized units support up to 12 inputs. The WT1600 is intended for inverter efficiency testing, three-phase inverter motor evaluation, illumination-inverter characterization, standby and energy-saving current measurement, large-motor power analysis, and long-term trend/integration studies. A single unit can measure both inverter input and output; two synchronized units support up to 12 inputs.

No photo

MODEL

**Yokogawa
WT1600**

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

WT1600

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Basic power accuracy approximately $\pm 0.1\%$
- Frequency power range DC and 0.5 Hz to 1 MHz
- Up to six input elements in one instrument
- Synchronized measurement between two WT1600 units
- Dual element types: 5 A (small current) and 50 A (large current)
- Standard external current-sensor / clamp input
- Standard integration and harmonic measurement
- Numerical, waveform, vector, bar-graph, and trend displays
- Data storing interval as short as 50 ms
- 6.4-inch TFT color LCD
- GP-IB or RS-232 standard communications

Built-in printer

SCSI interface WTVIEWER application software for PC transfer of numeric, waveform, and harmonic data

Operational Notes 5 A and 50 A elements can be mixed in one chassis to cover standby currents and high-load currents in the same instrument. The wide bandwidth supports evaluation of high-frequency content and slow-start inverter/motor behavior. Yokogawa discontinued the WT1600 around June 2011 and lists successor WT-series power analyzers as replacements.

Notes This manual OEM source was compiled from official Yokogawa WT1600 Digital Power Meter brochure/specifications (Bulletin 7601-00E class documentation) and Yokogawa product/technical descriptions.

WT1600 Characteristics / Specifications

PARAMETER	VALUE
Model	WT1600
Instrument Type	Digital Power Meter
Basic Power Accuracy (50/60 Hz)	+/- (0.1% of reading + 0.05% of range)
Frequency Power Range	DC, 0.5 Hz to 1 MHz (voltage and 5 A element current)
Voltage Input Ranges	1.5 / 3 / 6 / 10 / 15 / 30 / 60 / 100 / 150 / 300 / 600 / 1000 V
Voltage Bandwidth	DC, 0.5 Hz to 1 MHz
Maximum Input Elements	6 (six voltage and six current inputs) Current Input Elements 5 A Element Ranges: 10 / 20 / 50 / 100 / 200 / 500 mA, 1 / 2 / 5 A 5 A Element Bandwidth: DC, 0.5 Hz to 1 MHz 50 A Element Ranges: 1 / 2 / 5 / 10 / 20 / 50 A 50 A Element Bandwidth: DC, 0.5 Hz to 100 kHz
External Sensor Input Ranges (both element types)	50 / 100 / 250 / 500 mV, 1 / 2.5 / 5 / 10 V
External Sensor Bandwidth	DC, 0.5 Hz to 500 kHz
Crest Factor Support	Crest factor 3 standard; crest factor 6 supported on later firmware (3.21 and later) Measurement And Display Functions
Measured/Calculated Parameters	Voltage, current, active/apparent/reactive power, power factor, phase angle, peaks, crest/form factors, efficiency, impedance-related parameters, user-defined functions, and more
Harmonic Measurement	Standard; fundamental about 10 Hz to 1 kHz; analysis up to the 100th order for 50/60 Hz fundamentals
Integration	Standard, including polarity integration
Data Update / Store Interval	Selectable rates including 50 ms minimum (waveform off)
Internal Memory	Approximately 11 MB for store/recall
Trend Display	Up to 16 parameters; time axis from seconds to 24 hours/div (waveform off)
Display Formats	Up to 11 formats including numeric, waveform, vector, bar, list, and combinations
Display	6.4-inch color TFT LCD; up to about 78 numeric parameters Standard Interfaces And Storage
Communications	GP-IB or RS-232

PARAMETER	VALUE
Storage	3.5-inch floppy drive standard
Outputs	VGA output
Synchronization	Measure start-stop for synchronized dual-unit operation
External Clock Input	For accurate low-frequency harmonic measurement Optional Features Ethernet 10BASE-T (/C10) with FTP, network printing, SMTP, and related services Internal hard drive D/A output up to 30 channels
Motor evaluation (/MTR)	torque, rpm, mechanical power, slip, motor and total efficiency from analog or pulse sensors Built-in printer SCSI interface WTVIEWER application software for PC transfer of numeric, waveform, and harmonic data Operational Notes
Dual element types	5 A (small current) and 50 A (large current)
Bandwidth	digital power meter. Yokogawa documentation describes it as suitable for measuring extremely small currents in energy-saving equipment as well as large currents for evaluating large loads, with voltage coverage from 1.5 V to 1000 V and up to six inpu

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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Current Input Elements	
5 A Element Ranges: 10 / 20 / 50 / 100 / 200 / 500 mA, 1 / 2 / 5 A	
5 A Element Bandwidth: DC, 0.5 Hz to 1 MHz	
50 A Element Ranges: 1 / 2 / 5 / 10 / 20 / 50 A	
50 A Element Bandwidth: DC, 0.5 Hz to 100 kHz	
Specifications	
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External Sensor Input Ranges (both element types)	50 / 100 / 250 / 500 mV, 1 / 2.5 / 5 / 10 V
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Standard Interfaces And Storage

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Optional Features

Ethernet 10BASE-T (/C10) with FTP, network printing, SMTP, and related services

Internal hard drive

D/A output up to 30 channels

Motor evaluation (/MTR): torque, rpm, mechanical power, slip, motor and total efficiency from analog or pulse sensors

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SCSI interface

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated July 31, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.