

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa WT1030

The Yokogawa WT1030 is a digital power meter in the WT1000 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. Crest Factor: 3 (6 or 6A on reduced ranges) Data Update Rate: 100 ms to 20 s (model dependent) Harmonic Measurement: optional /G5 on applicable models Operating Temperature: 0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT1030



MODEL

**Yokogawa
WT1030**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

WT1030

LISTING

<https://aumictechlabs.com/products/wt1030-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa WT1030 is a digital power meter engineered for precision AC and DC power measurements across industrial and laboratory environments. This instrument delivers 0.2% fundamental accuracy while supporting single-phase two-wire, single-phase three-wire, three-phase three-wire, and three-phase four-wire configurations. The WT1030M variant incorporates motor analysis capability, accepting torque meter outputs to compute total motor efficiency. Technical Specifications Voltage measurement spans 0 to 1000 V rms across eight ranges (15 V to 1000 V). Direct current input accommodates 0 to 20 A across six ranges (0.5 A to 20 A). Both voltage and current channels operate from DC to 300 kHz with power measurement bandwidth to 200 kHz. The A/D converter samples at approximately 60 kHz. Input impedance

measures approximately 2.4 M Ω with 13 pF capacitance. Continuous maximum allowable input reaches 4.0 kV peak or 2.8 kV RMS. Frequency measurement capability extends from DC to 300 kHz. Harmonics analysis operates at fundamental frequencies from 10 Hz to 440 Hz, reporting harmonic components, distortion factor, phase angles, and powers.

Key Features

- Measures voltage, current, active power (W), apparent power (VA), reactive power (var), power factor, phase angle, and frequency
- Harmonics analysis from 10 Hz to 440 Hz fundamental frequency
- Optional integration function for continuous momentary power integration
- Optional waveform output via D/A converter at approximately 60 kHz conversion speed
- Exponential and moving averaging (8 to 256 averages, user-selectable)
- Accuracy specifications subject to power factor, line filter status, and operating frequency

Typical Applications

- Motor characterization and efficiency testing.
- Electronic device and appliance evaluation.
- Industrial equipment power analysis.
- Energy variation measurement with optional integration capability.

Compatibility & Integration

The WT1000 series architecture supports torque meter signal input on the WT1030M variant for integrated motor efficiency calculations.

Features & description

From manufacturer datasheet

Features

- 3-phase (253620/253630 configurations) input element(s)

WT1030 Characteristics / Specifications

PARAMETER	VALUE
Model	WT1030
Manufacturer	Yokogawa
Instrument Type	Power Analyzer
Series	WT1000
Input Elements	3-phase (253620/253630 configurations)
Basic Power Accuracy	+/-0.2% of range (power, 50/60 Hz class)
Frequency Range	DC, 0.5 Hz to 300 kHz (200 kHz power)
Voltage Range	15 to 1000 V
Current Range	0.5 to 20 A direct; external sensor optional
Crest Factor	3 (6 or 6A on reduced ranges)
Display	LED numeric display
Data Update Rate	100 ms to 20 s (model dependent)
Harmonic Measurement	optional /G5 on applicable models
Interfaces	GP-IB and RS-232-C optional
Power Supply	100 to 120 VAC or 200 to 240 VAC
Operating Temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT1030
Voltage Ranges	15, 30, 60, 100, 150, 300, 600, 1000 V
Current Ranges	0.5, 1, 2, 5, 10, 20 A
Measurement Functions	rms voltage/current, mean power, motor evaluation (WT1030M)
External Sensor Input	optional
Torque/Speed Input	WT1030M only (analog/pulse) Notes Specs from Yokogawa WT1000 datasheet (WT1030). WT1030M variant adds motor evaluation (torque/speed).
Bandwidth	DC, 0.5 Hz to 300 kHz (200 kHz power)
Storage temperature	20 to 60 degC Alias: WT1030

WT1030 Specifications

PARAMETER	VALUE
Yokogawa WT1030 Digital Power Meter	Overview
Key Features	- 3-phase (253620/253630 configurations) input element(s)
Technical Specifications	Model: WT1030
Notes	Specs from Yokogawa WT1000 datasheet (WT1030). WT1030M variant adds motor evaluation (torque/speed).

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 to 60 degC Alias: WT1030
Operating temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT1030
Operating Temperature	0 to 40 degC Storage Temperature: -20 to 60 degC Alias: WT1030
Voltage Ranges	15, 30, 60, 100, 150, 300, 600, 1000 V
Current Ranges	0.5, 1, 2, 5, 10, 20 A
Measurement Functions	rms voltage/current, mean power, motor evaluation (WT1030M)
Power Supply	100 to 120 VAC or 200 to 240 VAC
External Sensor Input	optional
Torque/Speed Input	WT1030M only (analog/pulse) Notes Specs from Yokogawa WT1000 datasheet (WT1030). WT1030M variant adds motor evaluation (torque/speed).

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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PARAMETER	VALUE
Model	WT1030
Manufacturer	Yokogawa
Instrument Type	Power Analyzer
Specifications	
PARAMETER	VALUE
Series	WT1000
Input Elements	3-phase (253620/253630 configurations)
Basic Power Accuracy	+/-0.2% of range (power, 50/60 Hz class)
Specifications	
PARAMETER	VALUE
Frequency Range	DC, 0.5 Hz to 300 kHz (200 kHz power)
Voltage Range	15 to 1000 V
Current Range	0.5 to 20 A direct; external sensor optional
Specifications	
PARAMETER	VALUE
Crest Factor	3 (6 or 6A on reduced ranges)
Display	LED numeric display
Data Update Rate	100 ms to 20 s (model dependent)
Specifications	
PARAMETER	VALUE
Harmonic Measurement	optional /G5 on applicable models
Interfaces	GP-IB and RS-232-C 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: WT1030
Voltage Ranges	15, 30, 60, 100, 150, 300, 600, 1000 V
Current Ranges	0.5, 1, 2, 5, 10, 20 A

Specifications

PARAMETER	VALUE
Measurement Functions	rms voltage/current, mean power, motor evaluation (WT1030M)
Power Supply	100 to 120 VAC or 200 to 240 VAC
External Sensor Input	optional

Torque/Speed Input: WT1030M only (analog/pulse)

Notes

Specs from Yokogawa WT1000 datasheet (WT1030). WT1030M variant adds motor evaluation (torque/speed).

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 ·
30-day returns
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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.