

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 2, 2026

YOKOGAWA

Yokogawa WT1806E Precision Power Analyzer

Yokogawa WT1806E Precision Power Analyzer The Yokogawa WT1806E is a six-input-element precision power analyzer in the WT1800E family that provides high-accuracy voltage, current, and power measurements with harmonic analysis and multiple remote interfaces for inverter and motor drive evaluation. Multi-phase inverter efficiency and loss analysis; motor drive input/output power measurement; standby and harmonic compliance testing on 50/60 Hz systems; R&D and production validation requiring up to six simultaneous input elements; automated test with USB, GPIB, or Ethernet. The Yokogawa WT1806E is a six-input-element precision power analyzer in the WT1800E family that provides high-accuracy voltage, current, and power measurements with harmonic analysis and multiple remote interfaces for inverter and motor drive evaluation. Multi-phase inverter efficiency and loss analysis; motor drive input/output power measurement; standby and harmonic compliance testing on 50/60 Hz systems; R&D and production validation requiring up to six simultaneous input elements; automated test with USB, GPIB, or Ethernet.

No photo

MODEL

**Yokogawa
WT1806E**

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

WT1806E

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

- WT1800E family model with up to six input elements in one instrument
- Basic power accuracy $\pm$ (0.05% of reading + 0.05% of range)
- Frequency power range DC, 0.1 Hz–1 MHz; approximately 5 MHz (–3 dB typical)
- Sampling rate approximately 2 MS/s (Yokogawa WT1800E specification)
- Harmonic measurement to the 500th order of 50/60 Hz fundamentals
- Voltage ranges 1.5 V–1000 V (crest factor 3)
- Current elements: 5 A or 50 A types; external sensor inputs supported
- 8.4-inch TFT color display
- USB, GPIB, and Ethernet interfaces on E-series models

WT1806E Characteristics / Specifications

PARAMETER	VALUE
Model	WT1806E
Manufacturer	Yokogawa
Instrument Type	Precision Power Analyzer
Series	WT1800E
Alias	WT1806E
Input Elements	Up to 6 (WT1806E configuration)
Basic Power Accuracy	±(0.05% of reading + 0.05% of range)
Frequency Range	DC, 0.1 Hz–1 MHz (approximately 5 MHz –3 dB typical)
Sampling Rate	Approximately 2 MS/s
Harmonics	Up to 500th order of 50/60 Hz
Voltage Ranges	1.5 V–1000 V (CF3)
Current Elements	5 A or 50 A types; external sensor inputs supported
External Sensor Input	Supported
Display	8.4-inch TFT color LCD
Interfaces	USB; GPIB; Ethernet (E series) Standard Operating Conditions Configure element mix (5 A / 50 A) and wiring before energized measurements. Select voltage and current ranges for crest factor and inrush expected on the DUT. Allow instrument warm-up per Yokogawa WT1800E guidance before accuracy-critical tests.

WT1806E Specifications

PARAMETER	VALUE
Yokogawa WT1806E Precision Power Analyzer	Overview
Key Features	- WT1800E family model with up to six input elements in one instrument
Technical Specifications	Model: WT1806E

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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Standard Operating Conditions	
Configure element mix (5 A / 50 A) and wiring before energized measurements. Select voltage and current ranges for crest factor and inrush expected on the DUT. Allow instrument warm-up per Yokogawa WT1800E guidance before accuracy-critical tests.	
Operational Notes	
WT1806E denotes the six-element WT1800E configuration—confirm element count on ordering and calibration certificates. Use Yokogawa WT1800E OEM documentation for sampling rate (approximately 2 MS/s); some third-party listings incorrectly cite 200 kS/s. Alias WT1806E (hyphenless) appears in inventory systems.	

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

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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.