

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

WAVETEK

Wavetek Model 801 50MHz pulse Generator.

The Wavetek Model 801 is a versatile 50MHz pulse generator suitable for a wide range of testing and timing applications. It delivers precise and stable pulse signals with adjustable parameters.



MODEL

Wavetek 801

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

801

LISTING

<https://aumictechlabs.com/products/801-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Wavetek Model 801 is a 50 MHz pulse generator delivering five simultaneous outputs for precision timing and digital/analog circuit testing. It combines a variable-amplitude main pulse with fixed-level TTL, ECL, and sync outputs, offering independent control of rise and fall times across a 5 Hz to 50 MHz frequency range. Engineers and laboratories use this instrument for versatile pulse generation with selectable operational modes including continuous, triggered, gated, burst, double pulse, and external width control. Technical Specifications Primary Pulse Output (Variable Amplitude) Frequency range: 5 Hz to 50 MHz Amplitude: ± 20 V adjustable (± 10 V into 50 Ω load) Source impedance: 50 Ω Rise/fall times: < 7 ns (5 ns typical) to 250 ms, independently adjustable with 50:1 vernier ratio Pulse width: < 10 ns to 100 ms in seven overlapping ranges Pulse delay: < 10 ns to 100 ms relative to sync pulse Period range: 200 ms Period jitter: $< 0.1\%$ + 50 ps Width jitter: 10 ns (10%–90% points) Fixed-Level Outputs ECL pulses: Two outputs with < 6 ns transition times TTL pulses: One output with < 10 ns transition times Sync pulse: 50% $\pm 4\%$ duty cycle (periods ≤ 2 μ s) Key Features Normal/complement control for all

outputs except sync Six operational modes: continuous, triggered, gated, burst (1–100 pulses), double pulse, and external width Dual ECL outputs plus dedicated TTL and sync outputs Vernier adjustment on fast rise/fall times for precise control Typical Applications Digital circuit timing, analog pulse testing, system integration verification, and laboratory characterization of high-speed circuits requiring precise trigger synchronization and multi-format logic outputs. Compatibility & Integration Standard TTL and ECL logic levels ensure compatibility with conventional digital test equipment and circuit boards.

Features & description

From manufacturer datasheet

Technical Specifications

Frequency range: 5 Hz to 50 MHz Amplitude: ± 20 V adjustable (± 10 V into 50 Ω load) Source impedance: 50 Ω Rise/fall times: < 7 ns (5 ns typical) to 250 ms, independently adjustable with 50:1 vernier ratio Pulse width: < 10 ns to 100 ms in seven overlapping ranges Pulse delay: < 10 ns to 100 ms relative to sync pulse Period range: 200 ms Period jitter: $< 0.1\%$ + 50 ps Width jitter: 10 ns (10%–90% points) Fixed-Level Outputs ECL pulses: Two outputs with < 6 ns transition times TTL pulses: One output with < 10 ns transition times Sync pulse: 50% $\pm 4\%$ duty cycle (periods ≤ 2 μ s)

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Wavetek 801 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Wavetek 801. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

Wavetek 801 price

This Wavetek 801 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Wavetek 801 calibration cost

NIST-traceable calibration for the Wavetek 801 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Unit notes

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frequency range. Engineers and laboratories use this instrument for versatile pulse generation with selectable operational modes including continuous, triggered, gated, burst, double pulse, and external width control.

Technical Specifications

Primary Pulse Output (Variable Amplitude)

Frequency range: 5 Hz to 50 MHz

Amplitude: ± 20 V adjustable (± 10 V into 50 Ω load)

Source impedance: 50 Ω

Rise/fall times: < 7 ns (5 ns typical) to 250 ms, independently adjustable with 50:1 vernier ratio

Pulse width: < 10 ns to 100 ms in seven overlapping ranges

Pulse delay: < 10 ns to 100 ms relative to sync pulse

Period range: 200 ms

Period jitter: $< 0.1\% + 50$ ps

Width jitter: 10 ns (10%–90% points)

Fixed-Level Outputs

ECL pulses: Two outputs with < 6 ns transition times

TTL pulses: One output with < 10 ns transition times

Sync pulse: 50% $\pm 4\%$ duty cycle (periods ≤ 2 μ s)

Key Features

Normal/complement control for all outputs except sync

Six operational modes: continuous, triggered, gated, burst (1–100 pulses), double pulse, and external width

Dual ECL outputs plus dedicated TTL and sync outputs

Vernier adjustment on fast rise/fall times for precise control

Typical Applications

Digital circuit timing,

801 Specifications

PARAMETER	VALUE
Frequency Range	5 Hz to 50 MHz Voltage / Current Range: ± 10 V into 50 Ω load, ± 20 V (adjustable)

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.

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Typical Applications

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