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Data Sheet

August 14, 2026

FLUKE / WAVETEK

Fluke / Wavetek 1391 50 MHz Pulse Generator

Fluke Wavetek 1391 50 MHz VXI Pulse Generator The Wavetek 1391 is a single-slot C-size VXIbus pulse/data generator rated for high-speed digital stimulus. Verified reseller specification summaries list 100 MHz square-wave capability, 5 ns transition time, minimum pulse width 20 ns, maximum pulse width 1000 s, maximum output 16 V, burst counts to 1000000, and SCPI programmability over VXIbus. TTL ECL and CMOS logic stimulus in VXI ATE, gated and burst pulse testing, master/slave multi-module pulse arrangements, and high-speed digital timing characterization. The Wavetek 1391 is a single-slot C-size VXIbus pulse/data generator rated for high-speed digital stimulus. Verified reseller specification summaries list 100 MHz square-wave capability, 5 ns transition time, minimum pulse width 20 ns, maximum pulse width 1000 s, maximum output 16 V, burst counts to 1000000, and SCPI programmability over VXIbus. TTL ECL and CMOS logic stimulus in VXI ATE, gated and burst pulse testing, master/slave multi-module pulse arrangements, and high-speed digital timing characterization.



MODEL

**Fluke / Wavetek
1391**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1391

LISTING

<https://aumictechlabs.com/products/1391-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke/Wavetek 1391 is a 50 MHz VXIbus programmable pulse generator delivering versatile signal generation across continuous, triggered, gated, and burst operating modes. Single, double, and delayed pulse configurations are supported, with square wave output extending to 100 MHz

at 50% duty cycle. All pulse parameters - period, width, and delay - are programmable to 4-digit resolution. The instrument integrates into any manufacturer's VXI chassis via SCPI or MATE/CIIL command sets, making it ideal for automated test systems requiring precise pulse timing and amplitude control. Technical Specifications Frequency Range: 1 mHz to 50 MHz (pulse mode); up to 100 MHz (square wave) Pulse Width: Programmable up to 2000 seconds Pulse Delay: Programmable up to 2000 seconds Rise/Fall Transition Times: Settable from 5 ns to 50 ps Output Amplitude: ± 8 V into 50 Ω termination; peak-to-peak continuously variable from 150 mVp-p to 16 Vp-p in 10 mV steps across a programmable +16 V window Programmable Resolution: 4-digit resolution for period, width, and delay parameters Form Factor: Single-slot, C-size VXI module Key Features Pulse Amplitude Modulation (PAM) support via external signal input for upper, lower, or both amplitude levels Four operating modes: continuous, triggered, gated, and burst pulse generation VXIbus SUMBUS capability for series operation and master clock/trigger bus slaving for parallel multichannel configurations Self-adjustment utilities with non-volatile calibration memory SCPI Version 1.0 (April 1990) and Version 1992.0 compliance; MATE/CIIL language support Interfaces VXIbus (C-size module) PAM IN (external modulation) TRIG IN (external trigger) SYNC OUT (synchronization output) PULSE OUT (BNC connector) Compatibility & Integration Operates within any VXI chassis using standard SCPI or MATE/CIIL protocol. VXIbus SUMBUS support enables series multichannel operation; independent slaving to external master clock/trigger sources supports parallel configurations in complex test environments.

1391 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Fluke Wavetek 1391
Form Factor	Module VXI Csize
Number Of Slots	1
Number Of Channels	1
Maximum Frequency Square Wave Class	100 MHz
Transition Time	5 ns
Minimum Pulse Width	20 ns
Maximum Pulse Width	1000 s
Maximum Output Voltage	16 V
Output Impedance	50 Ohm
Trigger Modes	Burst Gate Trigger
Burst Count Maximum	up to 1000000
Programming Language	SCPI
Ports To Peripheral Devices	VXIbus
User Interface Class	proprietary soft front panel
Power Input	universal auto sense and switch class
Series Family	Wavetek VXI pulse generators
Manufacturer Branding	Fluke Wavetek
Operating Temperature Class	VXI chassis ambient
Cooling	chassis airflow required
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Path	OEM pulse generator procedures
Documentation	Wavetek 1391 operations manual
Identity Verified Against Reseller Spec Tables	yes

PARAMETER	VALUE
Operating temperature	Class: VXI chassis ambient

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: VXI chassis ambient
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Operating Temperature Class	VXI chassis ambient
Cooling	chassis airflow required
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Path	OEM pulse generator procedures
Documentation	Wavetek 1391 operations manual
Identity Verified Against Reseller Spec Tables	yes

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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Calibration Path	OEM pulse generator procedures
Documentation	Wavetek 1391 operations manual
Identity Verified Against Reseller Spec Tables	yes
Option Codes: confirm on faceplate	

Notes

From Wavetek 1391 VXIbus 50 MHz Pulse Generator reseller specification summaries (NTEC and ArtisanTG family listings). Confirm timing accuracy and amplitude footnotes on the OEM operations manual for calibration.

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.