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Data Sheet

August 14, 2026

FLUKE / WAVETEK

Fluke / Wavetek 1395 50 MHz Arbitrary Waveform Synthesizer

Fluke Wavetek 1395 50 MHz Arbitrary Waveform Synthesizer The Fluke/Wavetek 1395 is a single-slot C-size VXI arbitrary waveform synthesizer with 50 MSa/s maximum sampling, 12-bit resolution, and 128k-point waveform memory. Published specifications list sine to 20 MHz, square to 25 MHz, triangle/ramp/pulse to 2 MHz, 1 mHz frequency resolution, linear/log sweep, and AM/SCM modulation in a message-based VXI module. VXI ATE arbitrary and standard waveform stimulus, multi-module synchronized triggering, frequency sweep and frequency-list hopping, and custom waveform playback up to 450 user-defined waveforms. The Fluke/Wavetek 1395 is a single-slot C-size VXI arbitrary waveform synthesizer with 50 MSa/s maximum sampling, 12-bit resolution, and 128k-point waveform memory. Published specifications list sine to 20 MHz, square to 25 MHz, triangle/ramp/pulse to 2 MHz, 1 mHz frequency resolution, linear/log sweep, and AM/SCM modulation in a message-based VXI module. VXI ATE arbitrary and standard waveform stimulus, multi-module synchronized triggering, frequency sweep and frequency-list hopping, and custom waveform playback up to 450 user-defined waveforms.



MODEL

**Fluke / Wavetek
1395**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1395

LISTING

<https://aumictechlabs.com/products/1395-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke/Wavetek 1395 is a 50 MHz Arbitrary Waveform Synthesizer designed for generating custom waveforms with high accuracy. It features a user-friendly interface and supports various modulation modes, making it suitable for research, development, and manufacturing environments. This synthesizer is ideal for creating complex signals required in electronic testing and simulation.

Features & description

From manufacturer datasheet

Built-in frequency sweep and frequency list

Optional MATE/CiIL Up to 450 user-defined waveforms Technical Specifications Form Factor: VXI module C-size single slot Maximum Sampling Rate: 50 MSa/s Vertical Resolution: 12 bit Waveform Memory Length: 128k points Minimum Frequency: 1 mHz Maximum Frequency Sine: 20 MHz Maximum Frequency Square: 25 MHz Maximum Frequency Triangle: 2 MHz Maximum Frequency Ramp: 2 MHz Maximum Frequency Pulse: 2 MHz Maximum Noise Bandwidth: 20 MHz Frequency Resolution: 1 mHz Frequency Accuracy: 0.01% Sweep Modes: Linear, Log Trigger Modes: Burst, Continuous, Gate, Trigger Modulation: AM, SCM Output Impedance: 50 ohm Maximum Output Voltage: 15 V Standard Waveforms: Arbitrary, Ramp, Random, Sine, Square, Triangle User Defined Waveforms: up to 450 NSN Example: 6625-01-432-6713 Manufacturer: Fluke / Wavetek Module Size: single slot C-size VXI Notes Specs from Fluke/Wavetek 1395 product specification summaries (Artisan/TEC). Confirm optional memory expansions and MATE/CiIL on the module label; companion 1396 documents describe related but not identical limits.

1395 Characteristics / Specifications

PARAMETER	VALUE
Form Factor	VXI module C-size single slot
Maximum Sampling Rate	50 MSa/s
Vertical Resolution	12 bit
Waveform Memory Length	128k points
Minimum Frequency	1 mHz
Maximum Frequency Sine	20 MHz
Maximum Frequency Square	25 MHz
Maximum Frequency Triangle	2 MHz
Maximum Frequency Ramp	2 MHz
Maximum Frequency Pulse	2 MHz
Maximum Noise Bandwidth	20 MHz
Frequency Resolution	1 mHz
Frequency Accuracy	0.01%
Sweep Modes	Linear, Log
Trigger Modes	Burst, Continuous, Gate, Trigger
Modulation	AM, SCM
Output Impedance	50 ohm
Maximum Output Voltage	15 V
Standard Waveforms	Arbitrary, Ramp, Random, Sine, Square, Triangle
User Defined Waveforms	up to 450
NSN Example	6625-01-432-6713
Manufacturer	Fluke / Wavetek
Module Size	single slot C-size VXI
Bandwidth	20 MHz

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 list sine to 20 MHz, square to 25 MHz, triangle/ramp/pulse to 2 MHz, 1 mHz frequency resolution, linear/log sweep, and AM/SCM modulation in a message-based VXI module.

Applications

VXI ATE arbitrary and standard waveform stimulus, multi-module synchronized triggering, frequency sweep and frequency-list hopping, and custom waveform playback up to 450 user-defined waveforms.

Key Features

- Single-slot C-size VXI module
- Inter-module triggering
- Built-in frequency sweep and frequency list
- Optional MATE/CIIL
- Up to 450 user-defined waveforms

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Form Factor	VXI module C-size single slot
Maximum Sampling Rate	50 MSa/s
Vertical Resolution	12 bit
Waveform Memory Length	128k points
Minimum Frequency	1 mHz
Maximum Frequency Sine	20 MHz
Maximum Frequency Square	25 MHz
Maximum Frequency Triangle	2 MHz
Maximum Frequency Ramp	2 MHz
Maximum Frequency Pulse	2 MHz
Maximum Noise Bandwidth	20 MHz
Frequency Resolution	1 mHz
Frequency Accuracy	0.01%
Sweep Modes	Linear, Log
Trigger Modes	Burst, Continuous, Gate, Trigger
Modulation	AM, SCM
Output Impedance	50 ohm
Maximum Output Voltage	15 V
Standard Waveforms	Arbitrary, Ramp, Random, Sine, Square, Triangle
User Defined Waveforms	up to 450

PARAMETER	VALUE
NSN Example	6625-01-432-6713
Manufacturer	Fluke / Wavetek
Module Size	single slot C-size VXI

Notes
Specs from Fluke/Wavetek 1395 product specification summaries (Artisan/TEC). Confirm optional memory expansions and MATE/CIIL on the module label; companion 1396 documents describe related but not identical limits.

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

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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.