

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

FLUKE

Fluke 396 Universal Waveform Generator

Instrument Type: Universal Waveform Generator Instrument type: Universal waveform generator Do not assume 291/292/294 100 MS/s limits for model 396 without OEM confirmation. Verify sample rate, channels, and interface options on the unit manuals. Instrument type: Universal waveform generator Do not assume 291/292/294 100 MS/s limits for model 396 without OEM confirmation. Verify sample rate, channels, and interface options on the unit manuals.



MODEL

Fluke 396

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

396

LISTING

<https://aumictechlabs.com/products/396-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 396 is a single-channel universal waveform generator engineered for high-precision signal synthesis across testing, calibration, and research environments. It generates standard waveforms - sine, square, triangle, ramp, haversine, cosine, havercosine, and sin(x)/x - plus arbitrary waveforms, pulse trains, noise, trigger signals, tones, and swept outputs. Direct Digital Synthesis delivers 10-digit frequency resolution for standard waveforms; clock synthesis provides 8-digit resolution for square waves. The 4 MB word memory accommodates complex arbitrary waveforms and supports sequencing of up to 16 steps with looping capability. Technical Specifications Channels: 1 Sampling Rate: 125.00 MSa/sec Record Length: 4 MB word Output Voltage Range: 10 mVpp to 10 Vpp; 20 mVpp to 20 Vpp into open circuit Output Impedance: 50 Ω Frequency Range (Sine/Square): DC to 50 MHz Frequency Range (Pulse): DC to 10 MHz

Frequency Resolution: 10-digit (DDS); 8-digit (clock synthesis)

Key Features

- Arbitrary waveform generation with freehand, mathematical expression, and composite waveform creation via ArbExplorer software
- Triggered burst and gated output modes for synchronized signal conditioning
- Amplitude modulation (AM) and frequency modulation (FM) capabilities
- Precise amplitude and offset control
- Up to 100 stored waveforms, each user-named and length-configurable
- Multi-unit synchronization via dedicated instrument synchronization cable
- Waveform download over RS232 and GPIB interfaces

Typical Applications

- Signal simulation and transducer testing across electrical and mechanical systems
- Instrument calibration requiring complex, multi-step waveform sequences
- Research environments demanding arbitrary waveform synthesis with modulation
- Production testing with repeatable burst and gated signal scenarios

Compatibility & Integration

- RS232 and GPIB interfaces enable remote control and waveform management.
- Synchronization cable supports coordinated multi-unit operation for phase-coherent or distributed signal generation.

Features & description

From manufacturer datasheet

Features

- Universal waveform generator class instrument
- Fluke branding / calibrator-accessories ecosystem

Applications

- General-purpose waveform and function generation
- Bench stimulus for analog/digital development
- ATE stimulus where a Fluke 396 procedure is specified

396 Characteristics / Specifications

PARAMETER	VALUE
Model	396
Manufacturer	Fluke
Instrument Type	Universal waveform generator Notes Do not assume 291/292/294 100 MS/s limits for model 396 without OEM confirmation. Verify sample rate, channels, and interface options on the unit manuals.
Alias	396; Fluke 396

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

Specifications

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Model	396
Manufacturer	Fluke
Instrument Type	Universal Waveform Generator
Alias	396; Fluke 396

Instrument type: Universal waveform generator

Notes

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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.