

**Aumictech**

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Data Sheet

August 13, 2026

FLUKE

Fluke 292-U Arbitrary Waveform Generator and Manager, 100 MS

The Fluke 292-U is a 2-channel Arbitrary Waveform Generator and Manager, capable of generating signals up to 100 MS/s. It provides versatile waveform creation and manipulation for electronics testing and design.



MODEL

Fluke 292-U

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

292-U

LISTING

<https://aumictechlabs.com/products/292-u-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 292-U is a 12-bit arbitrary waveform generator with dual independent channels operating at 100 MS/s sampling frequency. It generates complex waveforms using true variable clock architecture - eliminating jitter inherent in DDS generators - and supports waveform linking, looping, and sequencing across up to 1024 segments. Two channels deliver versatile signal generation for electronics testing, design validation, and system integration tasks. Technical Specifications Arbitrary Waveform Generation Sampling frequency: 100 MS/s Vertical resolution: 12 bits Waveform memory: Up to 1 M points per channel via removable Compact Flash card Maximum stored waveforms: 500 arbitrary waveforms per card Waveform definition: Up to 4096 vertical points Clock range: 0.1 Hz to 100 MHz Standard Waveform Functions (per channel) Sine, Cosine, Haversine, Haver cosine, Square: 1 mHz to 50 MHz Triangle, Ramp, Sine(x)/x: 0.1 mHz to 500 kHz Pulse waveforms supported Sequencing & Linking Maximum linked segments: 1024

waveforms per sequence Loop count per waveform: Up to 32,768 iterations Sequence repetition: Up to 1,000,000 cycles or continuous operation Pulse Generation Maximum frequency: 10 MHz Pattern precision: 10 ns Configurable pulses: Up to 10 per train with user-defined amplitude, width, and delay Modulation & Signal Manipulation Modulation types: AM, Tone Switching, Signal Summing Sweep modes: Free-run and triggered sweep capability External signal summing between channels supported Triggering & Synchronization Trigger sources: Internal (keyboard, trigger generator) and External (TRIG IN, remote interface) Burst modes: Gated and triggered modes included Inter-channel triggering: Supported External sample clock input: Supported for on-the-fly frequency changes

Key Features True variable clock architecture eliminates DDS jitter Unlimited waveform storage via Compact Flash media Two independent channels for parallel signal generation Phase locking capability for multiple generators

Typical Applications Electronics testing, transducer simulation, protocol validation, system characterization, and design verification requiring multi-channel arbitrary waveform generation with precise timing control.

Compatibility & Integration External triggering, remote interface control, and multi-generator phase locking enable integration into automated test systems and bench environments.

Features & description

From manufacturer datasheet

Features

- Two independent or linkable channels
- True variable-clock arb architecture
- Waveform sequencing up to 1024 segments
- GPIB, RS-232, and USB interfaces
- Compact Flash waveform storage
- Waveform Manager Plus software

Applications

- Dual-channel arbitrary stimulus for ATE and R&D
- Synchronized waveform sequencing
- Precision tone and pulse-train patterns

292U Characteristics / Specifications

PARAMETER	VALUE
Model	292-U
Manufacturer	Fluke
Instrument Type	Arbitrary Waveform Generator
Alias	292-U; Fluke 292-U; 292
Channels	2
Sample rate	100 MS/s
Vertical resolution	12 bits
Waveform memory	1 M points per channel
Minimum waveform size	8 points
Sample clock range	100 mHz to 100 MHz
Sine DDS range	0.1 mHz to 40 MHz
Square DDS range	to 50 MHz
Amplitude into 50 ohm	2.5 mV to 10 V p-p
Sequence segments	up to 1024
Interfaces	GPIB, RS-232, USB
Mains class	115 V (-U variant) Notes Specs from Fluke 291/292/294 family datasheet. Confirm CF card and software media with the unit.

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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Notes	
Specs from Fluke 291/292/294 family datasheet. Confirm CF card and software media with the unit.	

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.