

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FLUKE

Fluke 80 Function Generator

The Fluke 80 is a 50 MHz programmable function generator providing sine, triangle, square, and DC waveforms from 10 mHz to 50 MHz with up to 16 Vp-p into 50 ohm. It adds linear and logarithmic sweep, external FM, VCO, AM, phaselock, triggered/gated/burst modes, and GPIB as standard. Autocalibration and 30 stored setups support benchtop and ATE use. Model 81 adds dedicated pulse/ramp features; this sheet is Model 80 focused. Alias: Fluke 80; Model 80 Function Generator Frequency accuracy 10 mHz to 999.9 mHz: +/-3% Frequency accuracy 1 Hz to 50 MHz: +/-0.1% Amplitude into open circuit: 20 mV to 32 Vp-p



MODEL

Fluke 80

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

80

LISTING

<https://aumictechlabs.com/products/80-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 80 Function Generator is a signal generation instrument engineered for electronic testing, calibration, and simulation across benchtop and automated test equipment (ATE) environments. It generates standard waveforms - sine, square, triangle, positive pulse, and negative pulse - with independently adjustable frequency, amplitude, and DC offset. Advanced modulation and sweep capabilities, including AM/FM modulation and linear/logarithmic sweep functions, enable complex signal simulation and device characterization in laboratory and industrial settings. Technical Specifications Waveform Generation Waveforms: Sine, Square, Triangle, Positive Pulse, Negative Pulse Frequency Range: 10 MHz to 50 MHz Amplitude: Up to 16 Vp-p into 50 Ω ; adjustable 1 mV to 10 Vp-p into 50 Ω Output Impedance: 600 Ω typical, 50 Ω

selectable DC Offset: ± 10 V from 50 Ω (± 5 V into 50 Ω); DC offset below fundamental on 5 M range Modulation and Sweep Modulation Types: AM, FM AM Depth: 0% to 100% variable FM Sensitivity: 2 V_{p-p} for 50% modulation External FM: Supported VCO Mode: Supported Sweep: Linear and logarithmic with independent start/stop frequencies and configurable sweep times Phaselock/Offset Control: Supported Operating Modes Continuous, triggered, gated, and triggered burst modes Sync Output: 50% duty-cycle square wave at waveform frequency Universal Waveforms: User-definable with position markers; up to 100 stored in battery-backed memory Instrument Setups: Up to 9 complete configurations stored in battery-backed memory Key Features Autocalibration for optimized accuracy Intuitive LCD display interface Extended operation may produce thermal rise; fan operation audible Physical and Environmental Dimensions: 212 mm W $\times$ 330 mm D $\times$ 130 mm H Weight: 4.1 kg (9 lb) Power: 115 V, 100 V, or 230 V, 50/60 Hz, $\pm 14\%$ operating tolerance, 100 VA maximum Operating Temperature: 5 °C to 40 °C, 20% to 80% RH Storage Temperature: -10 °C to +65 °C Compatibility & Integration GPIB/IEEE 488.2 interface standard on models 80/81.

Features & description

From manufacturer datasheet

Applications

- General-purpose stimulus for analog and digital circuits

80 Characteristics / Specifications

PARAMETER	VALUE
Model	80
Manufacturer	Fluke
Instrument Type	Function Generator
Alias	Fluke 80; Model 80 Function Generator
Frequency range	10 mHz to 50 MHz
Frequency resolution	4 digits
Frequency accuracy 10 mHz to 999.9 mHz	+/-3%
Frequency accuracy 1 Hz to 50 MHz	+/-0.1%
Jitter	0.1% +/-50 ps
Amplitude into 50 ohm	10 mV to 16 Vp-p
Amplitude into open circuit	20 mV to 32 Vp-p
Amplitude accuracy at 1 kHz	+/-4% of reading
Output impedance	50 ohm +/-1%
Square rise/fall time	less than 8 ns
Sine THD 100 mHz to 1 MHz	less than 1%
Harmonic 1 MHz to 5 MHz	max harmonic less than -40 dB
Harmonic 5 MHz to 50 MHz	max harmonic less than -21 dB
Sweep spacing	linear and logarithmic
Log sweep range	10 decades max
Linear sweep range	3 decades max
Stored setups	30
Remote interface	GPIB IEEE-488.2
Power	115/230 Vac optional 100 V; 50/60 Hz; 60 W max
Operating temperature	0 to 50 C
Size	8.9 × 21.1 × 39.1 cm

PARAMETER	VALUE
Weight	6 kg
Sync output level into 50 ohm	0 to 1 V Notes Specs from Fluke 80/81 Function Pulse Generators datasheet. Confirm firmware/options and that the unit is Model 80 not 81 if pulse/ramp is required.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C
Operating Temperature	0 to 50 C
Size	8.9 × 21.1 × 39.1 cm
Weight	6 kg
Sync output level into 50 ohm	0 to 1 V Notes Specs from Fluke 80/81 Function Pulse Generators datasheet. Confirm firmware/options and that the unit is Model 80 not 81 if pulse/ramp is required.

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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Specifications	
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Specifications

PARAMETER	VALUE
Harmonic 1 MHz to 5 MHz	max harmonic less than -40 dB
Harmonic 5 MHz to 50 MHz	max harmonic less than -21 dB
Sweep spacing	linear and logarithmic

Specifications

PARAMETER	VALUE
Log sweep range	10 decades max
Linear sweep range	3 decades max
Stored setups	30

Specifications

PARAMETER	VALUE
Remote interface	GPIO IEEE-488.2
Power	115/230 Vac optional 100 V; 50/60 Hz; 60 W max
Operating temperature	0 to 50 C

Specifications

PARAMETER	VALUE
Size	8.9 x 21.1 x 39.1 cm
Weight	6 kg
Sync output level into 50 ohm	0 to 1 V

Notes

Specs from Fluke 80/81 Function Pulse Generators datasheet. Confirm firmware/options and that the unit is Model 80 not 81 if pulse/ramp is required.

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.