

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke 6062A/AG " Synthesized Signal Generator

The Fluke 6062A/AG is a synthesized signal generator engineered for RF testing, communications systems evaluation, and component characterization. It delivers precise frequency synthesis across 100 kHz to 2.1 GHz with output levels spanning +16 dBm to -137 dBm, supported by multiple modulation modes and exceptional spectral purity. The instrument integrates GPIB/IEEE-488 control, making it suitable for both benchtop measurement and automated test environments. 0.1 dB programmable steps with autoranging 6 dB step attenuator Amplitude Accuracy Pulse modulation: 15 nanosecond rise and fall time (GaAs), ~50% internal duty cycle External pulse: DC to 16 MHz rates, 0 to 100% duty cycle adjustable Spectral Purity



MODEL

Fluke 6062A/AG

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6062A/AG

LISTING

<https://aumictechlabs.com/products/6062a-ag-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 6062A/AG is a synthesized signal generator engineered for RF testing, communications systems evaluation, and component characterization. It delivers precise frequency synthesis across 100 kHz to 2.1 GHz with output levels spanning +16 dBm to -137 dBm, supported by multiple modulation modes and exceptional spectral purity. The instrument integrates GPIB/IEEE-

488 control, making it suitable for both benchtop measurement and automated test environments.

Technical Specifications

Frequency & Resolution 100 kHz to 2.1 GHz operating range 10 Hz frequency steps and resolution from 0.1 to 1050 MHz 20 Hz frequency steps and resolution from 1050 to 2100 MHz

Output Power +16 dBm to -137 dBm (0.1 to 1050 MHz) +13 dBm to -137 dBm (1050 to 2100 MHz)

Amplitude 0.1 dB programmable steps with autoranging 6 dB step attenuator

Accuracy ± 1.5 dB across specified operating ranges ± 2.0 dB from +16 to -127 dBm (0.1 to 999.99999 MHz)

Modulation AM, FM, phase, and pulse modulation modes

AM depth: 0 to 99% in 1% increments

FM deviation: 1, 10, 100, and 400 kHz selectable

Phase deviation: 0.10, 1.0, 10.0, and 40.0 radians

Internal modulation oscillator: 400 to 1000 Hz selectable

Pulse modulation: 15 nanosecond rise and fall time (GaAs), ~50% internal duty cycle

External pulse: DC to 16 MHz rates, 0 to 100% duty cycle adjustable

Spectral Purity Non-harmonic spurious: < -60 dBc (0.1 to 1049.99999 MHz)

Non-harmonic spurious: 10 kHz offset)

Harmonics: < -30 dBc

Fixed frequency spurs: < -60 dBc or < -140 dBm (whichever larger)

Time Base Crystal time base with ± 0.5 ppm/month ageing rate and ± 5 ppm at 25°C

Optional medium-stability or ovenized high-stability time bases

External reference: 1, 2, 2.5, 5, or 10 MHz input (0.3 to 4.0 Vpp into 50 Ω termination)

Physical & Integration Weight: 15 lbs; Dimensions: 20 $\times$ 18 $\times$ 12 inches Rack-mountable (5.25 inches high)

VFD display

GPIB/IEEE-488 interface (standard)

Key Features Dual time base options for varying stability requirements

Programmable output in 0.1 dB steps across full dynamic range

External reference frequency input for synchronization

Pulse modulator with nanosecond-class switching speed

Low spurious profile suitable for sensitive receiver testing

Typical Applications

Communication system transmitter/receiver verification

RF filter and amplifier characterization

Phase-locked loop and frequency synthesizer evaluation

Modulation quality assessment across AM, FM, and phase modes

Pulse-based system component testing

Compatibility & Integration

Standard GPIB/IEEE-488 connectivity enables remote control and integration into automated test systems, simplifying multi-instrument coordination for production and development environments.

6062AAG Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Fluke 6062A synthesized signal generator
Output Type	leveled RF sine class
Frequency Synthesis	yes
Frequency Range Class	RF synthesized coverage per faceplate
Amplitude Range Class	dBm leveled class
Remote Interface	GPIB class
Form Factor	benchtop
AC Powered	yes
Modulation Class	AM FM pulse options on series
Spectral Purity Class	synthesized low spur class
Reference Oscillator	internal with external ref input class
Operating Temperature Class	laboratory
Series Family	Fluke 6060
Display	frequency and amplitude digital class
Output Impedance	50 ohm
Reverse Power Protection Class	yes on family
Sweep Class	configuration dependent
Attenuator	step attenuator class
Calibration	RF level and frequency procedures
Synthesized RF Output	yes 50 Ohm Output System: yes
Leveled Amplitude Class	yes
Operating temperature	Class: laboratory

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory
Operating Temperature	Class: laboratory
Operating Temperature Class	laboratory
Series Family	Fluke 6060
Display	frequency and amplitude digital class
Output Impedance	50 ohm
Reverse Power Protection Class	yes on family
Sweep Class	configuration dependent
Attenuator	step attenuator class
Calibration	RF level and frequency procedures
Synthesized RF Output	yes 50 Ohm Output System: yes
Leveled Amplitude Class	yes Notes Identity and family capability rows from Fluke 6062A / 6060-series literature. Confirm exact frequency span amplitude range and options on the faceplate and manual.

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	
PARAMETER	VALUE
Instrument Family	Fluke 6062A synthesized signal generator
Output Type	leveled RF sine class
Frequency Synthesis	yes
Frequency Range Class	RF synthesized coverage per faceplate
Amplitude Range Class	dBm leveled class
Remote Interface	GPIB class
Form Factor	benchtop
AC Powered	yes
Modulation Class	AM FM pulse options on series
Spectral Purity Class	synthesized low spur class
Reference Oscillator	internal with external ref input class
Operating Temperature Class	laboratory
Series Family	Fluke 6060
Display	frequency and amplitude digital class
Output Impedance	50 ohm
Reverse Power Protection Class	yes on family
Sweep Class	configuration dependent
Attenuator	step attenuator class
Calibration	RF level and frequency procedures
Synthesized RF Output	yes
50 Ohm Output System: yes Leveled Amplitude Class: yes	
Notes Identity and family capability rows from Fluke 6062A / 6060-series literature. Confirm exact frequency span amplitude range and options on the faceplate and manual.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.