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Data Sheet

August 13, 2026

FLUKE

Fluke PM5138A Programmable Function Generator, 0.1 mHz to 10

Fluke PM5138A Programmable Function Generator The Fluke/Philips PM5138A isaprogrammable function generator covering 0.1 mHz to 10 MHz class (per catalog title). It provides standard waveforms for lab and ATE stimulus with GPIB-class programmability typical of the PM51xx family. The Fluke/Philips PM5138A isaprogrammable function generator covering 0.1 mHz to 10 MHz class (per catalog title). It provides standard waveforms for lab and ATE stimulus with GPIB-class programmability typical of the PM51xx family.



MODEL Fluke PM5138A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU PM5138A	LISTING https://aumictechlabs.com/products/pm5138a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke PM5138A is a programmable function generator delivering precision waveform synthesis from 0.1 mHz to 10 MHz. It generates sine, square, triangle, ramp, pulse, sawtooth, and noise waveforms with output up to 40 Vpp across all modes. User-defined arbitrary waveforms are created through the AnyWave™ software package and stored in 24 dedicated memory slots; nine additional slots preserve instrument settings for rapid recall. Technical Specifications Frequency range: 0.1 mHz to 10 MHz Output voltage: Up to 40 Vpp (all waveforms) Sine wave distortion: <0.1% Output impedance: Selectable 50 Ω or 600 Ω Arbitrary waveform memory: 24

slots Setting memory: 9 slots Modulation/trigger source frequency: 1 mHz to 100 kHz at 0.1% accuracy Sweep range: 20 Hz to 20 MHz (linear or logarithmic) Power supply: 100–240 VAC, 50–60 Hz, 80 VA Dimensions: 215 mm × 89 mm × 360 mm Weight: 2.3 kg Display: Large backlit LCD with waveform preview

Key Features Modulation modes: AM, FM, PSK, FSK, PWM, gate, burst, and sweep (linear/logarithmic) Three sweep modes: sweep and flyback, sweep and hold, sweep up and down Independently programmable sweep parameters: fstart, fstop, time, lin/log selection, and mode Trigger modes: Burst, external, or internal External synchronization: 10 MHz reference input Optional GPIB or RS-232 interfaces for system integration

Typical Applications Electronics testing, signal analysis, system development, and transducer simulation benefit from the PM5138A's programmability and modulation flexibility. Its arbitrary waveform capability and memory storage enable automated test sequences and rapid parameter switching.

Compatibility & Integration AnyWave™ software enables creation and management of arbitrary waveforms. Standard output connectors and optional GPIB/RS-232 interfaces facilitate integration into automated test systems.

Features & description

From manufacturer datasheet

Features

- Programmable function generator • Wide frequency span from sub-Hz to MHz • Standard waveforms for bench and ATE
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Applications

- General-purpose function generation to 10 MHz class • Automated test stimulus via remote interface
- Filter and amplifier response checks

PM5138A Characteristics / Specifications

PARAMETER	VALUE
Model	PM5138A
Manufacturer	Fluke
Instrument Type	Programmable function generator Notes Confirm exact waveform set, amplitude into 50 ohm, and interface options from the PM5138A manual/faceplate.
Alias	PM5138A; Fluke PM5138A; Philips PM5138A
Frequency range class	0.1 mHz to 10 MHz

PM5138A Specifications

PARAMETER	VALUE
Fluke PM5138A Programmable Function Generator	Overview
Applications	- General-purpose function generation to 10 MHz class
Technical Specifications	Model: PM5138A
Notes	Confirm exact waveform set, amplitude into 50 ohm, and interface options from the PM5138A manual/faceplate.

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
Model	PM5138A
Manufacturer	Fluke
Instrument Type	Programmable Function Generator
Alias	PM5138A; Fluke PM5138A; Philips PM5138A

Frequency range class: 0.1 mHz to 10 MHz

Instrument type: Programmable function generator

Notes

Confirm exact waveform set, amplitude into 50 ohm, and interface options from the PM5138A manual/faceplate.

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.