

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FLUKE

Fluke 5550A Performance Multi-Product Calibrator

Fluke 5550A Performance Multi-Product Calibrator The Fluke 5550A is a performance multi-product calibrator that enhances 5522A-class workloads with modern ranges for benchtop DMM calibration, oscilloscope cal to about 1.1 GHz, and continuous high current for clamp meters. It shares the 5560A/5540A family architecture with 30 A continuous current and MET/CAL automation. The Fluke 5550A is a performance multi-product calibrator that enhances 5522A-class workloads with modern ranges for benchtop DMM calibration, oscilloscope cal to about 1.1 GHz, and continuous high current for clamp meters. It shares the 5560A/5540A family architecture with 30 A continuous current and MET/CAL automation.



MODEL

Fluke 5550A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

5550A

LISTING

<https://aumictechlabs.com/products/5550a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 5550A Performance Multi-Product Calibrator is a high-accuracy calibration instrument engineered for calibration laboratories and service centers. It calibrates digital multimeters, oscilloscopes, power meters, and other electrical test equipment with optimized ranges for modern workloads. A 7-inch color touchscreen with intuitive graphical interface and visual connection management guides operators through each calibration task, while improved settling time accelerates multimeter calibration cycles. Technical Specifications Electrical Output Ranges:

Direct voltage: 0 V to ± 1020 V Direct current: 0 to ± 30.2 A Alternating voltage: 1 mV to 1020 V, 3 Hz to 500 kHz Alternating current: 10 μ A to 30.2 A, 3 Hz to 30 kHz Volt/Hertz: 1000 V at 10 kHz / 330 V at 100 kHz Waveforms: Sine wave, triangle wave, truncated sine wave Resistance: 0 Ω to 1200 M Ω Capacitance: 200 pF to 120 mF Inductance: 12 μ H to 12 H Dual output power: 30.9 kW Continuous current output: 30 A (expandable to 6000 A with 52120A amplifier) Oscilloscope bandwidth: 2.1 GHz, 1.1 GHz, or 600 MHz Temperature & Thermocouple Support: Thermocouple types: B, C, E, J, K, L, N, R, S, U, BP, XK Temperature standards: ITS-90, IPTS-68 RTD outputs: Pt100 (385/395/3916), Pt200 (385), Pt500 (385), Pt1000 (385), Ni120, Cu10 RTD compensation: Off, 2-wire, 4-wire Performance: Frequency uncertainty: <2.5 ppm Phase control: 0.01° Phase lock: Yes Test uncertainty ratio: 4:1 TUR calibrates 5.5-digit multimeters and some 6.5-digit multimeters Key Features Reverse power protection up to ± 300 V peak 7-inch color touchscreen with visual terminal guidance Remote interfaces: USB 2.0, Ethernet (Telnet), RS-232, GPIB Compatible with MET/CAL Calibration Management Software Automatic mains selection: 100 V, 120 V, 220 V, 240 V (± 10 %) Max power consumption: 500 VA Operating temperature: 0 °C to 50 °C Compatibility & Integration Automated calibration workflows via MET/CAL software. RS-232 configured as DTE. Multi-protocol remote command support enables integration with existing calibration management systems.

Features & description

From manufacturer datasheet

Features

- Continuous 30 A current output (no wait between heavy current uses)
- Variable resistance, capacitance; inductance on higher family models
- Thermocouple and RTD simulation
- Optional scope bandwidth modules
- MET/CAL automation

Applications

- Benchtop DMM calibration with improved TURs
- Oscilloscope calibration to 1.1 GHz class
- Clamp meter calibration with continuous current and coils
- On-site / mobile multi-product calibration

5550A Characteristics / Specifications

PARAMETER	VALUE
Model	5550A
Manufacturer	Fluke
Instrument Type	Multi-Product Calibrator
Alias	5550A; Fluke 5550A
DC voltage	0 V to +/-1020 V
DC current	0 A to +/-30.2 A continuous
AC voltage	1 mV to 1020 V; 3 Hz to 500 kHz
AC current	10 uA to 30.2 A continuous; 3 Hz to 30 kHz
Volt/hertz product class	1000 V at 10 kHz / 330 V at 100 kHz
Resistance variable	0 ohm to 1200 Mohm
Capacitance variable	0 nF to 120 mF class
Oscilloscope bandwidth options class	1.1 GHz or 600 MHz
Frequency uncertainty class	less than 2.5 ppm
Waveforms	sine and square
Clamp cal class	to about 1500 A with current coils Notes Specs from Fluke 5560A/5550A/5540A multi-product calibrator datasheet. Confirm installed scope option and accessories.
Bandwidth	modules - MET/CAL automation

5550A Specifications

PARAMETER	VALUE
Key Features	- Continuous 30 A current output (no wait between heavy current uses)
Technical Specifications	Model: 5550A
Notes	Specs from Fluke 5560A/5550A/5540A multi-product calibrator datasheet. Confirm installed scope option and accessories.

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.

Performance Multi-Product Calibrator

Overview

The Fluke 5550A is a performance multi-product calibrator that enhances 5522A-class workloads with modern ranges for benchtop DMM calibration, oscilloscope cal to about 1.1 GHz, and continuous high current for clamp meters. It shares the 5560A/5540A family architecture with 30 A continuous current and MET/CAL automation.

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Technical Specifications

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PARAMETER

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Notes

Specs from Fluke 5560A/5550A/5540A multi-product calibrator datasheet. Confirm installed scope option and accessories.

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
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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.