

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

FLUKE

Fluke 343A DC Voltage Calibrator

The Fluke 343A is a precision DC voltage calibrator in the classic Fluke 340-series family (alongside 341A). It provides calibrated DC voltage outputs for meter and instrument calibration. Public English numeric tables for the exact 343A SKU are thinner than for later 5700-series calibrators. Confirm exact voltage ranges, accuracy statement, and current limits from the Fluke 343A manual/faceplate. Do not assume 341A figures without verification on this unit.



MODEL

Fluke 343A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

343A

LISTING

<https://aumictechlabs.com/products/343a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 343A DC Voltage Calibrator is a precision instrument that generates stable, accurate DC voltage outputs for calibrating DC voltage measurement devices in laboratory and field environments. This 7-digit calibrator delivers outputs from 0 to 1100 VDC with 0 to 25 mA current capability, featuring 0.1 ppm resolution and basic accuracy of 20 ppm over 90 days. Remote sense terminals allow direct voltage sensing at the load, while continuously variable current limiting (1–30 mA) with front-panel indication ensures safe operation across diverse test scenarios. Technical Specifications Output voltage: 0–1100 VDC Output current: 0–25 mA (continuously variable limiting 1–30 mA) Resolution: 0.1 ppm overall; 1 μ V (10 V range), 10 μ V (100 V range), 100 μ V (1000 V range) Basic accuracy (90 days): 20 ppm; 10 V range $\pm 0.002\%$ of setting or $\pm 0.0002\%$ of range; 100 V and 1000 V ranges $\pm 0.002\%$ of setting or $\pm 0.0001\%$ of range

Ripple and noise: < 50 μ V rms Short-term jitter: < 1 ppm Temperature coefficient: $\pm$ (3 ppm of setting + 0.1 ppm of range + 2 μ V)/ $^{\circ}$ C (15–35 $^{\circ}$ C); $\pm$ (5–8 ppm of setting + 0.1 ppm of range + 2 μ V)/ $^{\circ}$ C (0–50 $^{\circ}$ C) Line and load regulation: < 0.0005% of setting + 25 μ V for 10% line change or full-load to no-load Settling time: Within 15 ppm of final output in 5 seconds Isolation: Floatable to 500 VDC from chassis Operating temperature: 0–50 $^{\circ}$ C Dimensions: 8.9 cm H $\times$ 43.2 cm W $\times$ 45.7 cm D Weight: 10.43 kg Input power: 115 or 230 VAC $\pm$ 10%, 50–440 Hz, ~60 VA fully loaded

Key Features Front-panel meter switchable between voltage (full range) and current (full range) display Remote sense terminals for direct load-point voltage measurement Current-limit indicator lamp NIST/NBS-traceable accuracy specifications

Typical Applications DC voltmeter and multimeter calibration; precision voltage source validation; laboratory standards; field equipment qualification.

Compatibility & Integration MIL, ANSI/IEEE, RTCA/DO-160, IEC CISPR, EN, and ISO standards.

Features & description

From manufacturer datasheet

Features

- Precision DC voltage calibrator • Multi-digit output setting • Bench calibrator form factor

Applications

- DC voltmeter calibration • Lab DC voltage reference/stimulus • Production calibration benches standardized on Fluke 340-series

343A Characteristics / Specifications

PARAMETER	VALUE
Model	343A
Manufacturer	Fluke
Instrument Type	DC Voltage Calibrator
Alias	343A; Fluke 343A
Family	Fluke 340-series Notes Confirm exact voltage ranges, accuracy statement, and current limits from the Fluke 343A manual/faceplate. Do not assume 341A figures without verification on this 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

Specifications

PARAMETER	VALUE
Model	343A
Manufacturer	Fluke
Instrument Type	DC Voltage Calibrator
Alias	343A; Fluke 343A

Instrument type: DC voltage calibrator

Family: Fluke 340-series

Notes

Confirm exact voltage ranges, accuracy statement, and current limits from the Fluke 343A manual/faceplate. Do not assume 341A figures without verification on this 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.