Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 12, 2026

FLUKE

Fluke 701 Documenting Multifunction

The Fluke 701 isabattery-powered handheld documenting process calibrator that measures and sources electrical and physical process signals. It supports troubleshooting, calibration, verification, and documentation of process instruments. The related 702 adds PC interface, PMLink procedures, and larger data logging; the 701 stores results for later review without the full 702 PC feature set. Logging: stores results for later review (702 logs up to 8000 points with PMLink) PC interface / PMLink procedures: 702 only Languages: English, French, German, Italian, Spanish Detailed measure/source range tables (V, mA, ohms, frequency, pressure modules, TC/RTD types) are in the Fluke 701/702 Users Manual specifications section–confirm against the unit and any attached pressure modules.

MODEL Fluke 701	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 701	LISTING https://aumictechlabs.com/products/701-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 701 Documenting Multifunction Process Calibrator is a handheld instrument for calibration, troubleshooting, verification, and documentation of process instrumentation. It delivers measurement and sourcing capabilities across electrical and physical parameters, serving field and plant maintenance engineers with a rugged design for demanding industrial environments. An analog display accommodates unstable measurements, while multilingual interface support enhances global deployment.Technical Specifications Electrical Measurements DC Voltage: 110 mV to 300 V ranges with ±(0.05% of Reading + 0.005% to 0.015% of Full Scale)

accuracy; 5 MΩ input impedance; 1 µV to 10 mV resolution AC Voltage: 1.1 V to 300 V rms with frequency-dependent accuracy (±2% at 20–40 Hz declining to ±10% at 1–5 kHz); 5 MΩ input impedance and <100 pF coupling DC Current: Common mode error 0.01% f.s./(Common Mode Volt) Resistance: 11 Ω to 11 kΩ ranges; ±(0.02% to 0.1% of Output + 0.02 to 5 Ω) accuracy; source current 3 mA dc max, 0.01 mA dc min; 30 V dc maximum input Frequency: Measurement to 50 kHz with ±5 Counts accuracy; amplitude range 110 mV to 300 V below 1 kHz, 0.5 V to 30 V from 1–30 kHz Electrical Sourcing DC Voltage Output: 10 mA maximum output current DC Current Output: 24 V maximum burden voltage Frequency Sourcing: Squarewave, 50% duty cycle, 0–10 V pk amplitude; ±(3% of Output + 0.05 V) at 2–1099 HzKey Features Analog display for measurement stability assessment Multilingual interface Handheld form factor with industrial-grade construction 5 MΩ input impedance for minimal loadingTypical Applications Process instrument calibration and verification Field troubleshooting of electrical parameters Temperature and pressure transmitter validation Plant maintenance documentation workflowsCompatibility & Integration The 701 sources and measures across voltage, current, resistance, and frequency domains, enabling standalone operation or integration into broader maintenance protocols.

Features & description

From manufacturer datasheet

Features

• Measure and source in one handheld • Analog bar for unstable inputs • Multilingual display (EN/FR/DE/IT/ES) • Thermocouple jack with internal isothermal block / auto RJC • Automatic or manual transmitter calibration procedures • Damping, engineering units or percent of scale • Ramp and step source modes with trip detect

Applications

• Process transmitter calibration with split-screen measure/source • Thermocouple and RTD measure/source with reference-junction compensation • Loop power and switch testing with ramp/step source modes • Field documentation of calibration results

701 Characteristics / Specifications

PARAMETER	VALUE
Model	701
Manufacturer	Fluke
Instrument Type	Documenting multifunction process calibrator
Alias	701; Fluke 701
Family	Fluke 701 / 702
Power	battery-powered handheld TC: internal isothermal block with automatic RJC; manual external reference entry
Logging	stores results for later review (702 logs up to 8000 points with PMLink)
PC interface / PMLink procedures	702 only
Languages	English, French, German, Italian, Spanish Notes Detailed measure/source range tables (V, mA, ohms, frequency, pressure modules, TC/RTD types) are in the Fluke 701/702 Users Manual specifications section–confirm against the unit and any attached pressure modules.

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	701
Manufacturer	Fluke
Instrument Type	Documenting Process Calibrator
Alias	701; Fluke 701

Specifications

PARAMETER	VALUE
Instrument type	Documenting multifunction process calibrator
Family	Fluke 701 / 702
Power	battery-powered handheld
TC	internal isothermal block with automatic RJC; manual external reference entry
Logging	stores results for later review (702 logs up to 8000 points with PMLink)
PC interface / PMLink procedures	702 only
Languages	English, French, German, Italian, Spanish

Notes
Detailed measure/source range tables (V, mA, ohms, frequency, pressure modules, TC/RTD types) are in the Fluke 701/702 Users Manual specifications section–confirm against the unit and any attached pressure modules.

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 12, 2026