

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FLUKE

Fluke 715 " Volt/mA Loop Calibrator

The Fluke 715 is a compact volt/mA loop calibrator in the rugged 80 Series DMM package for measuring and sourcing process loop signals. It measures and sources 0 to 200 mV and 0 to 20 V, measures/sources/simulates 0 to 24 mA with 0.01% + 2 counts accuracy and 0.001 mA resolution, and provides 24 V loop power with simultaneous current measurement. EMI-tolerant, dust/splash resistant, with a removable battery door. Percent of span display: 0% = 4 mA; 100% = 20 mA Source drive into 1000 ohm: 20 mA for battery greater than 6.8 V Source drive into 700 ohm: 20 mA for battery 5.8 to 6.8 V Specs from Fluke 715 datasheet and instruction sheet. Unit does not source and measure simultaneously except loop-power-with-measure mode as documented.



MODEL

Fluke 715

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

715

LISTING

<https://aumictechlabs.com/products/715-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 715 Volt/mA Loop Calibrator measures and sources voltage and current loop signals for process control and automation applications. Built on Fluke's 80 Series platform, this instrument delivers 0.01% to 0.015% accuracy across multiple ranges with a durable, field-hardened design rated for dust and splash environments. The 715 combines measurement, sourcing, and simulation functions in a single portable package, powered by a single 9V alkaline battery with extended runtime. Technical Specifications Measurement Ranges & Accuracy Loop current: 0–20 mA and 4–20 mA at 0.01% to 0.015% accuracy, 0.001 mA resolution Voltage: 0–100 mV, 0–200 mV, 0–10 V, 0–

20 V, 0–25 V at 0.01% to 0.015% accuracy Voltage resolution: 0.01 mV to 0.001 V depending on range Process signal measurement from PLCs and transmitters Sourcing and Simulation Loop current source: 0–24 mA and 4–20 mA at 0.001 mA resolution, 0.01% to 0.015% accuracy Output modes: Source and Simulate with step and linear ramp functions Voltage source: 0–100 mV, 0–200 mV, 0–10 V, 0–20 V ranges at 0.01% to 0.015% accuracy Configurable zero and span settings Loop Power Supply 24 V DC output at $\pm 10\%$ accuracy Drive capability: 20 mA into 1000 Ω (battery >6.8 V); 700 Ω (battery 5.8–6.8 V) Simultaneous current measurement supported Display & Interface 5-digit LCD Push-button control Dimensions: 187 × 87 × 32 mm (7.35 × 3.41 × 1.25 in); with holster: 201 × 98 × 52 mm Weight: 330 g (12.3 oz) Environmental & Safety Operating temperature: –10°C to 55°C Operating humidity: 95% at 30°C, decreasing to 35% at 55°C 1-meter drop tested; vibration rated to 2 g, 5–500 Hz CSA C22.2 No. 1010.1:1992 and ANSI/ISA S82 certified Maximum voltage: 30 V EMI tolerantKey Features Single 9V alkaline battery (ANSI/NEDA 1604A or IEC 6LR619V) with extended life EMI-tolerant design with dust and splash resistance Includes protective holster, test leads, alligator clips, and NIST traceable calibration reportTypical Applications Loop signal verification and troubleshooting in process control systems, transmitter commissioning, and automation circuit validation.Compatibility & Integration Measures voltage output signals from programmable logic controllers and industrial transmitters. 24 V loop power supply enables field troubleshooting of 4–20 mA instrumentation loops.

Features & description

From manufacturer datasheet

Features

- mA accuracy 0.01% + 2 counts; 0.001 mA resolution

Applications

- 0-20 mA and 4-20 mA loop troubleshooting

715 Characteristics / Specifications

PARAMETER	VALUE
Model	715
Manufacturer	Fluke
Instrument Type	Volt/mA Loop Calibrator
Alias	Fluke 715; 715 Volt/mA Calibrator
mV measure/source range	0 to 200 mV
mV resolution	0.01 mV
mV accuracy	0.015% + 2 counts Vmeasure input range: 0 to 25 V Vsource range: 0 to 20 V Vresolution: 0.001 V Vaccuracy: 0.01% + 2 counts
mA measure/source/simulate range	0 to 24 mA
mA resolution	0.001 mA
mA accuracy	0.01% + 2 counts
Percent of span display	0% = 4 mA; 100% = 20 mA
Loop power	24 V DC +/-10%
Source drive into 1000 ohm	20 mA for battery greater than 6.8 V
Source drive into 700 ohm	20 mA for battery 5.8 to 6.8 V
Display	5-digit LCD
Size	187 × 87 × 32 mm
Weight	about 330 g
Operating temperature	-10 C to 55 C
Storage temperature	-40 C to 60 C
Operating altitude	3000 m max
Battery	single 9 V alkaline
Warranty	3 years
Shock	1 m drop test

PARAMETER	VALUE
Vibration	random 2 G 5-500 Hz Notes Specs from Fluke 715 datasheet and instruction sheet. Unit does not source and measure simultaneously except loop-power-with-measure mode as documented.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to 60 C
Operating temperature	10 C to 55 C
Operating Temperature	10 C to 55 C
Operating altitude	3000 m max
Battery	single 9 V alkaline
Warranty	3 years
Shock	1 m drop test
Vibration	random 2 G 5-500 Hz Notes Specs from Fluke 715 datasheet and instruction sheet. Unit does not source and measure simultaneously except loop-power-with-measure mode as documented.

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	
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Instrument Type	Volt/mA Loop Calibrator
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PARAMETER	VALUE
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mV measure/source range	0 to 200 mV
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PARAMETER	VALUE
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Specifications	
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Shock: 1 m drop test

Vibration: random 2 G 5-500 Hz

Notes

Specs from Fluke 715 datasheet and instruction sheet. Unit does not source and measure simultaneously except loop-power-with-measure mode as documented.

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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NIST-traceable calibration · SAM registered ·
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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.