

Fluke 715 Volt/mA Loop Calibrator

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Manufacturer [Fluke](#)

Description

Product overview: Fluke 715 Volt/mA Loop Calibrator

The Fluke 715 Volt mA Calibrator delivers outstanding performance, durability, and reliability in a compact, lightweight tool. Offered in the rugged Fluke 80 Series DMM package, the calibrator measures loop current as well as voltage output. It sources voltage to 200 mV or 20 V, measures loop current (0-20 mA, 4-20 mA) signals with 0.01 % accuracy and 1 μ A resolution, and measures voltage output process signals from PLCs and transmitters. It can source or simulate 4-20 mA loop current and provides a 24 V loop supply with simultaneous current measurement.

The 715 is also extremely easy to use with a simple push button interface similar to the multifunction Fluke 750 Series Documenting Process Calibrators. It features the rugged construction that Fluke tools are known for and is EMI tolerant and dust and splash resistant. It also features a removable battery door for quick battery changes.

Other useful features:

- Provides step and linear ramp output function
- Features configurable zero and span settings
- Provides 24V loop supply with simultaneous current measurement
- Features enhanced voltage and current measure and source accuracy
- Is EMI tolerant, dust/splash resistant and features a removable battery door for quick battery changes
- Includes a 250 ohm HART resistor with loop power
- Comes with a protective yellow holster with test lead storage
- Is compatible with ToolPak magnetic meter hanging system

Key features

- Compact, lightweight mA calibrator for measuring loop current (0-20 mA, 4-20 mA) signals
- Delivers very high accuracy—0.01%—and 1 mA resolution
- Measures voltage output process signals from PLCs and transmitters
- Sources or simulates 24 mA loop current
- Sources voltage to 100 mV or 10V

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- Provides typical 18 hour battery life

Specifications: Fluke 715 Volt/mA Loop Calibrator

Functional Specifications		
Measure / Source mV	Range	0 to 200 mV
	Resolution	0.01 mV
	Accuracy	0.015% + 2 counts
Measure / Source V	Range	0 to 20 V
	Resolution	0.001 V
	Accuracy	0.01% + 2 counts
Measure / Source/ Simulate mA (% of span)	Range	0 to 24 mA (-25% to 125%)
	Resolution	0.001 mA
	Accuracy	0.01% + 2 counts
		Sink (simulate transmitter) display mA or % of span
Specifications		
Loop power	Range	24 V DC
	Accuracy	±10%
		Drive; 20 mA into 1000 ? for battery > 6.8 V; 700 ? for battery 5.8 to 6.8 V
Display	Clear 5 digit LCD	
Environmental Specifications		
Operating temperature	-10°C to 55°C	
Storage temperature	-40°C to 60°C	
Humidity (without condensation)	95% (10°C to 30°C)	
	75% (30°C to 40°C)	
	45% (40°C to 50°C)	
	35% (50°C to 55°C)	
Operating altitude	3,000 m max	
Safety Specifications		
Safety	CSA C22.2 No. 1010.1:1992	
Mechanical and General Specifications		
Size (L x W x D)	187 x 87 x 32 mm	
	(7.93 x 3.86 x 2.06 in)	
Weight	Approx. 330 g	
	(21 oz)	
Warranty	3 years	
Shock and vibration	Random, 2 G, 5-500 Hz	
	1 m drop test	
Battery type	Single 9 V battery ANSI/NEDA 1604A or IEC 6LR619V alkaline	