

Fluke 715, 707, and 705 Loop Calibrators

Complete family of Volt/mA calibrators



Fluke 715

Fluke 705



Fluke 707

Fluke 715 Volt/mA Calibrator

- Source voltage to 200 mV or 20 V
- Measure loop current (0 to 20 mA, 4–20 mA) signals with 0.01% accuracy and 1 μ A resolution
- Measure voltage output process signals from PLCs, transmitters
- Source or simulate 4–20 mA loop current
- 24 V loop supply with simultaneous current measurement
- Ramp and Step Ramp output functions
- Three-year warranty

Fluke 707 and 705

- Innovative output adjustment dial on 707 provides 1 μ A and 100 μ A resolution and one-hand operation
- Large display and simple interface for ease of use
- Simultaneous mA and % readout for quick, easy interpretation of readings
- mA accuracy of 0.01% on the Fluke 707 and 0.02% on the 705
- HART mode on 707 connects 250 ohm resistor in series with 24 V loop for compatibility with HART™ communicators
- Push button 25% steps for fast, easy linearity checks
- “Span Check” for fast confirmation of zero and span
- Selectable slow and fast linear step ramp provide ramping outputs for valve slewing, remote testing and loop functional tests
- 24 V internal loop supply, so you can power and read a transmitter at the same time without carrying a DMM
- 0 to 20 mA or 4–20 mA default start up modes
- Three-year warranty

Recommended Accessories



TL28A
Heavy Duty Test Lead Set



TL220
SureGrip™ Industrial Test Lead Set



C550
Tool Bag



	705/707	715
Voltage measurement		
Range	0 V to 28 V	0 mV to 200 mV / 0 V to 25 V
Resolution	1 mV	10 μ V / 1 mV
Accuracy	705: 0.02% Rdg + 1 LSD 707: 0.01% Rdg + 2 LSD	0.01% Rdg + 2 LSD
Current measurement		
Range	0 mA to 24 mA	0 mA to 24 mA
Resolution	0.001 mA	0.001 mA
Accuracy	705: 0.02% Rdg + 2 LSD 707: 0.01% Rdg + 2 LSD	0.01% + 2 LSD
Current sourcing		
Range	0 mA to 20 mA or 4 mA to 20 mA	0 mA to 20 mA or 4 mA to 20 mA
Accuracy	705: 0.02% Rdg + 2 LSD 707: 0.01% Rdg + 2 LSD	0.01% Rdg + 2 LSD
Drive capability	705: 1000 Ω @ 24 mA 707: 1200 Ω @ 24 mA	1000 Ω @ 24 mA
Loop power while measuring mA	24 V	
Display current and % of span	Yes	mA or %
Auto step, auto ramp	Yes	
Span Check	Yes	
Battery life	18 hours typical, at 12 mA current source	
Voltage sourcing	-	0 mV to 200 mV or 0 V to 20 V

Included Accessories

Fluke 705/707: Test Leads, AC175 Alligator Clips, Single 9V Alkaline Battery, Instruction Sheet, Traceable Calibration Certificate.

Fluke 715: Yellow Holster (H80M excl. TPAK), Test Leads and AC175 Alligator Clips, Single 9V Alkaline Battery, Instruction Sheet, Traceable Calibration Certificate.

Ordering Information

FLUKE-705 Loop Calibrator
FLUKE-707 Loop Calibrator
FLUKE-715 Volt/mA Calibrator

Contact your local distributor for price and availability.
fluke.com/wtb