

Fluke 715, 707 and 705 Loop Calibrators

Complete family of volt/mA calibrators



Fluke 715

Fluke 715 Volt/mA Calibrator

- Source voltage to 200 mV or 20 V
- Measure loop current (0-20 mA, 4-20 mA) signals with 0.01 % accuracy and 1 µA 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

Fluke 707 and 705

- Innovative output adjustment dial on 707 provides 1 µA and 100 µA 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 0.015 % 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



Fluke 707



- 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
- 0-20 mA or 4-20 mA default start up modes

Specialty models

Fluke 707 Ex Intrinsically Safe Loop Calibrator

See page 40 for more information.



Recommended accessories



TL28A
Heavy Duty
Test Lead Set



TL220
SureGrip Industrial
Test Lead Set
See page 57



C550
Tool Bag
See page 56



PV350
Pressure Vacuum
Module
See page 65

Specifications

Functions	Fluke 705 and 707	Fluke 715	
Voltage measurement			
Range	0 V to 28 V	0 mV to 200 mV	0 V to 25 V
Resolution	1 mV	10 µV	1 mV
Accuracy	705: 0.025 % Rdg + 1 LSD 707, 707Ex: 0.015 % 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, 707Ex: 0.015 % 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: 0.025 % Rdg + 2 LSD 707, 707Ex: 0.015 % Rdg + 2 LSD	0.01 % Rdg + 2 LSD	
Drive capability	705: 1000 Ω @ 24 mA 707: 1200 Ω @ 24 mA 707Ex: 700 Ω @ 20 mA	1000 Ω @ 24 mA	
Loop power while measuring mA	24 V	24 V	
Voltage sourcing			
Display current and % of span	Yes	mA or %	
Auto step, auto ramp	Yes	Yes	
Span Check	Yes	Yes	
Battery life	18 hours typical, at 12 mA	18 hours typical, at 12 mA	
Warranty	Three-year		

Ordering information

Included accessories	Models
Test leads, alligator clips, holster with test lead storage, NIST-traceable calibration report and data, single 9 V alkaline battery, instruction sheet (14 languages).	FLUKE-715 Volt/mA Calibrator
	FLUKE-707 Loop Calibrator
	FLUKE-707 Ex Intrinsically Safe Loop Calibrator
	FLUKE-705 Loop Calibrator

Check price and availability at www.fluke.com/wtb