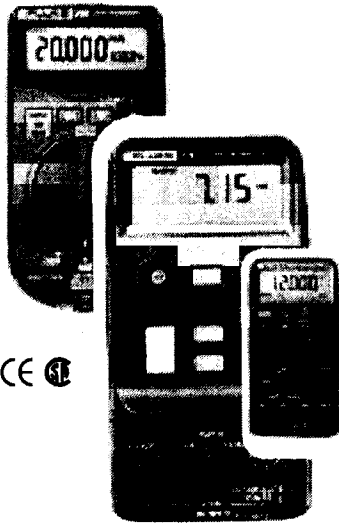


Fluke Loop Calibrators

Low Cost Calibrator Muscle



Fluke 705

- Large display and simple pushbutton interface for ease of use
- Simultaneous mA and % readout for quick, easy, interpretation of readings
- mA accuracy of 0.02%
- Push button 25% steps for fast, easy linearity checks
- "Span Check" for fast confirmation of zero and span
- Selectable slow ramp, fast ramp, and step to provide smooth outputs for valve slewing and loop functional tests
- 24 volt 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

Fluke 715 Volt/mA Calibrator

- Measure loop current (0-20 mA, 4-20 mA) signals with 0.015% accuracy and 1 μ A resolution
- Measure voltage output process signals from PLCs, transmitters
- Source or simulate 24 mA loop current
- Source voltage to 100 mV or 10V
- 24V loop supply with simultaneous current measurement

Fluke 787

- DMM and loop calibrator in one tool
- Precision 1000V, 440 mA digital multimeter
- DC current source/loop calibrator
- Clear LCD with backlight; 4,000 counts (30,000 counts for dc current)
- Externally accessible battery for easy battery changes
- 1000V overload protection on V, ohms, frequency
- Meets 1000 volt IEC 1010 Cat III standards

Specifications

Functions	Fluke 705	Fluke 715	Fluke 787	
Voltage measurement				
Range	0-28 V dc	0-100 mV 0-10 V	0-1000 V ac or dc	
Resolution	0.001V	10 μ V 1 mV	0.1mV to 1.0V	
Accuracy	0.025% Rdg + 1 LSD	0.02% Rdg + 2 LSD	0.1% Rgd + 1 LSD (VDC)	
Current measurement				
Range	0-24 mA	0-24 mA	0-1A dc	0-30 mA dc
Resolution	0.001 mA	0.001 mA	1mA dc	0.001 mA dc
Accuracy	0.02% + 2 LSD	0.015% + 2 LSD	0.2%+2 LSD	0.05%+2 LSD
Current sourcing				
Range	0-20 mA or 4-20 mA ¹	0-20 mA or 4-20 mA ¹	0-20 mA or 4-20 mA ¹	
Accuracy	0.025% Rdg + 2 LSD	0.015% Rdg + 2 LSD	0.05% of span	
Drive capability	1000 Ω @ 24 mA	1000 Ω @ 24 mA	500 Ω @ 24 mA	
Loop power while measuring mA	24V	24V	N/A	
Voltage sourcing	N/A	0-100 mV or 0-10V	N/A	
Resistance measurement	N/A	N/A	to 40M Ω , 0.2% + 1 LSD	
Frequency	N/A	N/A	to 19.999 kHz, 0.005% + 1 LSD	
Diode test	N/A	N/A	2.4 V shows diode voltage drop	
Continuity	N/A	N/A	Beeps for resistance <100 ohms	
Display current and % of span	Yes	mA or %	Yes	
Auto step, auto ramp	Yes	No	Yes	
Span Check	Yes	No	No	
Battery life	18 hours typical, at 12 mA	18 hours typical, at 12 mA	50 hours typical 12 hours sourcing 12mA	

¹Will over-range to 24 mA

Accessories and Ordering Information

Included Accessories:

Fluke 705: C-10 Protective Yellow Holster, TL75 Test Leads, AC70 Test Clips, Instruction Sheet (14 languages).

Fluke 715: C81Y Protective Yellow Holster with Flex-Stand, Test Leads and Alligator Clips, Single 9V alkaline battery, Instruction Sheet (14 languages).

Fluke 787: C81Y Protective Yellow Holster with Flex-Stand, TL75 Safety-Designed Test Lead Set plus AC70A Alligator Clips, one 9V alkaline battery, user's manual

Ordering Information:

Fluke 705 Loop Calibrator
 Fluke 715 Volt/mA Calibrator
 Fluke 787 ProcessMeter

Visit us on the world wide web:
<http://www.fluke.com>