

Features



- DMM and loop calibrator in one tool
- 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.
- 150V overload protection on mA, backed up by 440 mA 1000V fuse.
- 25% Manual Step plus Auto Step and Auto Ramp on mA output.

Fluke combined the DMM you trust with the loop calibrator you need.

The Fluke 787 ProcessMeter™ puts a complete troubleshooting solution in the palm of your hand. Get in touch with more information, faster and easier with the newest member of the Fluke 80 Series, the 787 ProcessMeter. The 787 gives you the measurement capabilities you expect from our rugged, reliable DMMs plus the ability to source, simulate, or measure dc current with 1 microamp resolution and accuracy of 0.05%. Put it all together and you have the ideal tool for troubleshooting and calibrating current loop applications. So if you're tired of always

tracking down a calibrator, lugging around two tools and switching back and forth, get the single best solution for doubling your power. The 787 ProcessMeter from Fluke.



Here's the power the 787 ProcessMeter™ puts into your hands.

Choose Relative, Continuity, or Diode Test modes

Observe battery condition

Activate Touch Hold mode

Record Min, Max, and Avg readings

Know when current OUTPUT is active

View both mA and % scale values at the same time

Select automatic mA output in slow ramp, fast ramp, or 25% staircase steps

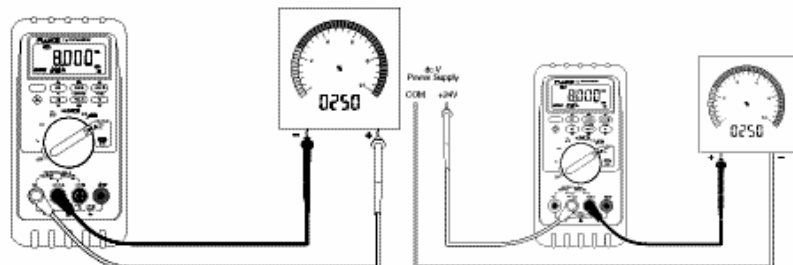
View input or output value, units, and range directly

Precision 1000V, 440 mA digital multimeter

- Measure ac and dc volts, ac and dc current, resistance, continuity, and frequency
- 0.1% dc voltage accuracy
- 0.05% dc current accuracy, 1 μ A resolution to 30 mA
- Simultaneous mA and % of scale readout
- True rms ac voltage measurement to 1 kHz
- Frequency measurement to 20 kHz
- Min/Max/Average/TouchHold/Relative modes
- Diode test and continuity beeper

DC current source/loop calibrator

- 20 mA current source/simulator
- Simultaneous mA and % of scale readout
- Manual step (25%, coarse, fine) plus auto step and auto ramp



Safety Conformance

Meets 1000 volt EN61010-1 CAT III standards.

Specifications

Specifications	
Current Measurement	Range: 0-1 A Resolution: 1 mA Accuracy: 0.2% + 2 LSD Range: 0-30 mA Resolution: 0.001 mA Accuracy: 0.05% + 2 LSD
Current Sourcing	Range: 0-20 mA or 4-20 mA Resolution: 0.05% of span Drive Capability: 500 Ω @ 24 mA
Frequency	to 19.999 kHz, 0.005% + 1 LSD
Continuity	Beeps for resistance < 100 ohms
Voltage measurement	Range: 0-1000 V AC or DC Resolution: 0.1 mV to 1.0 V Accuracy: 0.1% Rdg + 1 LSD (VDC)
Resistance measurement	to 40 M Ω , 0.2% + 1 LSD
Diode test	2.4 V shows diode voltage drop

Environmental Specifications	
Operating Temperature	-20 °C to 55 °C
Storage Temperature	-40 °C to 60 °C
Humidity (Without Condensation)	95% up to 30 °C 75% up to 40 °C 45% up to 50 °C 35% up to 55 °C
Temperature Coefficient	0.05 x (specified accuracy) per °C (for temperatures < 18 °C or > 28 °C)

Safety Specifications	
Electrical Safety	Designed in accordance with IEC 1010-1, ANSI/ISA S82.01-1994 and CAN/CSA C22.2 No. 1010.1-92
Overvoltage category	IEC 1010-1 CAT III
Maximum voltage	1000 V rms

Mechanical & General Specifications	
Size	32 x 87 x 187 mm
Weight	369 g
Batteries	Single 9V Alkaline battery (ANSI/NEDA 1604A or IEC 6LR61)
Warranty	3 years
Battery Life	50 hours typical (measurement), 12 hours typical (sourcing 12 mA)
Shock & Vibration	Random, 2g, 5-500 Hz 1 meter drop test
Display current and % of span	Yes
Auto step, auto ramp	Yes

Fluke 787	ProcessMeter All models include: <ul style="list-style-type: none"> ● AC70A Alligator Clips ● C81Y Protective Yellow Holster with Flex-Stand™ ● One 9V alkaline battery ● Quick Reference Guide ● TL75 Safety-Designed Test lead Set ● Users Manual
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