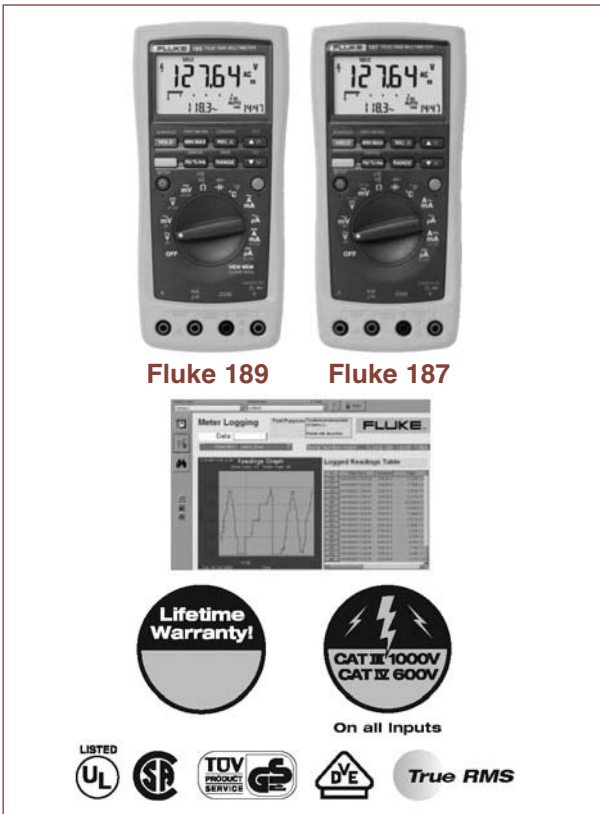


180 Series Digital Multimeters



Fluke 189

Fluke 187

Solve complex problem with advanced measurement functions, accuracy and data logging

The Fluke 189 and 187 are the most advanced meters with the features, precision and accuracy to troubleshoot power distribution, industrial automation, process controls and electronic and electro-mechanical equipment in the field or on the bench. Model 189 has a built-in data logger to record measurements unattended without a PC. Recorded data can be viewed on the 189 or transferred to a PC with optional FlukeView Forms software.

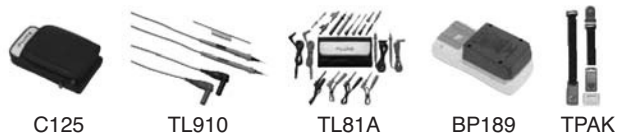
Included Accessories

TL71 silicone test leads, probe holder, two AC72 alligator clips, 4AA batteries (installed), user manual, calibration certificate with measurement data.

Ordering Information

Fluke 187	True RMS Multimeter
Fluke 189	True RMS Multimeter
Fluke 189 / FVF2	Data Logging Multimeter and Software Combo Kit
FVF-SC2	Fluke View Forms software including IR/USB cable

Recommended Accessories



C125

TL910

TL81A

BP189

TPAK

Features

	187	189
True-RMS measurement	AC, AC+DC	AC, AC+DC
Bandwidth (voltage / current)	100kHz / 100kHz	100kHz / 100kHz
Digital display counts (default / selectable)	50000 / 5000	50000 / 5000
Multiple display with large digits and backlight, updates 4 times per second	●	●
Analog bargraph segments, updates 40 times per second	51-segments	51-segments
Min-Max-Average recording with relative time stamp	●	●
Fast Min-Max recording	250µsec	250µsec
AutoHOLD* and Relative modes for reference and offset measurements	●	●
Temperature readings using optional K-type thermocouple and adapter	●	●
Audible continuity and diode test	●	●
Duty cycle and pulse width measurements	●	●
PC interface for data exchange and closed case calibration	●	●
Memory for storing up to 3 days of continuous stand-alone logging		●
Readings memory (memory locations)		100
Easy battery and fuse exchange without opening the complete case	●	●
Ergonomic case with integrated protective holster	●	●

Specifications

Functions	Maximum	Max. Resolution	187 and 189**
Voltage DC	1000V	1µV	±(0.025%+5)
Voltage AC	1000V	1µV	±(0.4%+40)
Current DC	10A	0.1µA	±(0.15%+2)
Current AC	10A	0.1µA	±(0.75%+5)
Resistance	500MΩ	0.01Ω	±(0.05%+2)
Conductance	500nS	0.01nS	±(1.0%+10)
Capacitance	50000µF	0.001nF	±(1.0%+5)
Frequency	1MHz	0.01Hz	±(0.005%+1)
Temperature	-200°C/+1350°C	0.1°C	±(1%+1°C)
dBm and dBV	-52/+60dB	0.01dB	±0.1 dB

Accuracies are best accuracies for each function.

** 187 and 189 accuracy and resolution are stated for 50,000 counts.

- **Battery Life:** 72 hours typical (alkaline)
- **Size (H x W x D):** 203 mm x 100 mm x 50 mm
- **Weight:** 0.545 kg
- **Lifetime Warranty**

