

180 Series Digital Multimeters

FLUKE®



Fluke 189



Fluke 187



On all inputs

LISTED



Included Accessories

TL71 silicone test leads, probe holder, two AC72 alligator clips, 4 AA 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 FlukeView Forms software including IR/USB cable

Solve complex problems 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.

Features

	187	189
True-RMS measurements	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

(Check the Fluke web for detailed 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	0.01µA	±(0.15%+2)
Current AC	10A	0.01µA	±(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 (HxWxD): 203 mm x 100 mm x 50 mm

Weight: 0.545 kg

Lifetime Warranty

Recommended Accessories



C125



TL910



TL81A



BP189



TPAK