

Product Selection Guide: Digital Multimeters



Fluke 87V



Fluke 115



Fluke 88V

Fluke Product Category	Fluke 87V	Fluke 115	Fluke 88V
Category	Advanced	Compact	Specialty
Basic Features			
Counts	20000	6000	19999
True RMS Readings	AC	AC	n/a
Basic DC Accuracy	0.05%	0.50%	0.15%
Wide Bandwidth	20 kHz	n/a	n/a
Auto/Manual Ranging	✓	✓	✓
Digits	4 1/2	3 1/2	4 1/2
Measurements			
Voltage AC/DC	1000 V	600 V	1000 V
Current AC/DC	10.0 A	10.0 A	10 A
Resistance	50 MΩ	40 MΩ	50 MΩ
Frequency	200 kHz	50 kHz	200 kHz
Capacitance	10,000 μF	10,000 μF	9,999 μF
Temperature	+ 1090 °C	n/a	-328.0 °F to 1994.0 °F
Conductance	60 nS	n/a	60.00 nS
Duty Cycle	✓	n/a	✓
Pulse Width	n/a	n/a	✓
Continuity with Beeper	✓	✓	✓
Diode Test	✓	✓	✓
Motor Drive Measurement	✓	n/a	n/a
RPM	n/a	n/a	✓
Lo Ohms	n/a	n/a	✓
Microamps	✓	n/a	n/a
Display			
Analog Bargraph	✓	✓	✓
Backlight	✓	✓	n/a
Diagnostics and Data			
Min-Max Recording	✓	✓	✓
Fast Min-Max	250 μs	n/a	n/a
Display Hold	✓	✓	✓
Auto (Touch) Hold	✓	n/a	✓
Relative Reference	✓	n/a	✓
Other Features			
Removable Holster	✓	✓	✓
Closed Case Calibration	✓	✓	n/a
Separate Battery	✓	✓	✓
Fuse Access	✓	n/a	✓
Automatic Power Off	✓	✓	✓
Low Battery Indication	✓	✓	✓
Operating Temperature Range	-20 °C to +55 °C	-10 °C to +50 °C	-20 °C to +55 °C
Warranty and Safety			

Warranty	Lifetime	3 Years	Lifetime
Input Alert	✓	n/a	✓
Dangerous Voltage Indication	✓	✓	n/a
IP Rating	IP 30	IP 42	n/a
EN61010-1 CAT III	1000 V	600 V	1000 V
EN61010-1 CAT IV	600 V	n/a	600 V