

<b>features</b>	<a href="#">Fluke 87V</a>	<a href="#">Fluke 179</a>	<a href="#">Fluke 27</a>	<a href="#">Fluke 789</a>	<a href="#">Fluke 114</a>	<a href="#">Fluke 115</a>	<a href="#">Fluke 116</a>	<a href="#">Fluke 117</a>
Counts	20000	6000	3200	30000	6000	6000	6000	6000
True RMS readings	AC	AC		AC	AC	AC	AC	AC
Basic DC accuracy	0.05%	0.09%	0.1%	0.1%	0.5%	0.5%	0.5%	0.5%
Wide bandwidth	20 kHz		30 kHz					
Auto/manual ranging	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
<b>Measurements</b>	<a href="#">Fluke 87V</a>	<a href="#">Fluke 179</a>	<a href="#">Fluke 27</a>	<a href="#">Fluke 789</a>	<a href="#">Fluke 114</a>	<a href="#">Fluke 115</a>	<a href="#">Fluke 116</a>	<a href="#">Fluke 117</a>
Voltage AC/DC	1000 V	1000 V	1000 V	1000 V	600 V	600 V	600 V	600 V
Current AC/DC	10 A	10 A	10 A	440 mA (1 A)		10 A	200 µA	10 A
Resistance	50 MΩ	50 MΩ	32 MΩ	40 MΩ	40 MΩ	40 MΩ	40 MΩ	40 MΩ
Frequency	200 kHz	100 kHz		20 kHz		50 kHz	50 kHz	50 kHz
Capacitance	10 mF	10 mF				10 mF	10 mF	10 mF
Temperature	+1090 °C	+400 °C					+400 °C	
Conductance	60 nS		32 nS					
Duty cycle/pulse width	•/-							
Continuity with beeper	•	•	•	•	•	•	•	•
Diode test	•	•	•	•		•	•	•
4-20 mA loop current as % readout				•				
Motor drive measurement	•							
VoltAlert™, Non-contact voltage detection								•
LoZ: low input impedance					•		•	•
Microamps	•						•	
<b>Display</b>	<a href="#">Fluke 87V</a>	<a href="#">Fluke 179</a>	<a href="#">Fluke 27</a>	<a href="#">Fluke 789</a>	<a href="#">Fluke 114</a>	<a href="#">Fluke 115</a>	<a href="#">Fluke 116</a>	<a href="#">Fluke 117</a>
Analog bargraph	•	•	•		•	•	•	•
Backlight	•	•		•	•	•	•	•
<b>Data storage and exchange</b>	<a href="#">Fluke 87V</a>	<a href="#">Fluke 179</a>	<a href="#">Fluke 27</a>	<a href="#">Fluke 789</a>	<a href="#">Fluke 114</a>	<a href="#">Fluke 115</a>	<a href="#">Fluke 116</a>	<a href="#">Fluke 117</a>
Min-Max recording/with time stamp	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/-
Fast Min-Max	250 µs							
Display Hold/Auto (Touch) Hold	•/•	•/•	-/•	-/•	•/-	•/-	•/-	•/-
Relative	•		•	•				
USB/RS-232/GPIB Interface				•/•/-				
<b>Other features</b>	<a href="#">Fluke 87V</a>	<a href="#">Fluke 179</a>	<a href="#">Fluke 27</a>	<a href="#">Fluke 789</a>	<a href="#">Fluke 114</a>	<a href="#">Fluke 115</a>	<a href="#">Fluke 116</a>	<a href="#">Fluke 117</a>
Source 4-20 mA loop current/24 V loop supply				•/•				
Automatic selection, AC/DC Volts					•			
Smoothing		•						
Integrated holster		•						
Removable holster	•			•	•	•	•	•
Closed case calibration	•	•		•	•	•	•	•
Separate battery/fuse access	•/-	•/-	•/•	•/•	•/-	•/-	•/-	•/-
Automatic power off	•	•		•	•	•	•	•
Low battery indication	•	•	•	•	•	•	•	•
<b>Warranty and safety</b>	<a href="#">Fluke 87V</a>	<a href="#">Fluke 179</a>	<a href="#">Fluke 27</a>	<a href="#">Fluke 789</a>	<a href="#">Fluke 114</a>	<a href="#">Fluke 115</a>	<a href="#">Fluke 116</a>	<a href="#">Fluke 117</a>
Lifetime warranty	•	•	•					
Warranty (years)				3	3	3	3	3
Dangerous voltage indication	•	•	•		•	•	•	•
Input Alert	•							
EN61010-1 CAT III	1000 V	1000 V	1000 V	1000 V	600 V	600 V	600 V	600 V
EN61010-1 CAT IV	600 V	600 V		600 V				

-