



Model Number	Fluke 115	Fluke 175	Fluke 179
<b>Basic Features</b>			
Counts	6000	6000	6000
True RMS readings	AC	AC	AC
Basic DC Accuracy	0.50%	0.15%	0.09%
Wide bandwidth	-	-	-
Auto/Manual Ranging	Yes	Yes	Yes
Digits	3½	3½	3½
ATEX II 2G Eex ia IICT4 safety rating Zone 1 and Zone 2	No	No	No
<b>Measurements</b>			
Voltage AC/DC	600 V	1000 V	1000 V
Current AC/DC	10.0 A	10.0 A	10.0 A
Resistance	40 MΩ	50 MΩ	50 MΩ
Frequency	50 kHz	100 kHz	100 kHz
Capacitance	10,000 μF	10,000 μF	10,000 μF
Temperature	-	-	+ 400 °C
dB	-	-	-
Conductance	-	-	-
Analytical Functions (Statistics, Histogram, Limit Test)	No	No	No
Duty cycle	No	No	No
Pulse Width	No	No	No
Continuity with beeper	Yes	Yes	Yes
Diode Test	Yes	Yes	Yes
4-20 mA loop current as % readout	No	No	No
Motor drive measurement	No	No	No
RPM	No	No	No
Insulation test	No	No	No
VoltAlert™, Non-contact voltage detection	No	No	No
VCHEK™	No	No	No
LoZ: low input impedance	No	No	No
Lo Ohms	-	-	-
Microamps	No	No	No
Number of voltage test ranges	-	-	-
<b>Display</b>			
Removable wireless remote display	No	No	No
Dot matrix display	No	No	No
VDF Dot Matrix	No	No	No
Dual Display	No	No	No
Analog Bargraph	Yes	Yes	Yes
Backlight	Yes	No	Yes
Two-level Backlight	No	No	No
Graphical Trend display	No	No	No

Diagnostics and Data			
Min-Max recording	Yes	Yes	Yes
Time Stamp (for Min-Max recording)	No	No	No
Fast Min-Max	-	-	-
Standard Deviation	No	No	No
Display Hold	Yes	Yes	Yes
Auto (Touch) Hold	No	Yes	Yes
Relative reference	No	No	No
USB Interface	No	No	No
Stand-alone logging	No	No	No
Trend Capture	No	No	No
Readings memories	-	-	-
Other Features			
Source 4-20 mA loop current	No	No	No
24 V loop supply	No	No	No
Automatic Selection, AC/DC Volts	No	No	No
Real time clock	No	No	No
Smoothing	No	Yes	Yes
Overmolded case, integrated holster	No	Yes	Yes
Removable holster	Yes	No	No
Closed case calibration	Yes	Yes	Yes
Calibration certificate with data	No	No	No
Separate Battery	Yes	Yes	Yes
Fuse access	No	No	No
Completely sealed/watertight	No	No	No
Automatic power off	Yes	Yes	Yes
Low Battery Indication	Yes	Yes	Yes
2 x 4W Low Ohms Mode	No	No	No
PASS/FAIL with User Limits	No	No	No
i-Leakage Mode	No	No	No
Emulation: Fluke 45/Agilent 34401A	No	No	No
Rear Input	No	No	No
Advanced Analyze Modes	No	No	No
Trigger In/Out	No	No	No
Warranty and safety			
Input Alert	No	No	No
Dangerous Voltage Indication	Yes	Yes	Yes
IP Rating	IP 42	-	-
EN61010-1 CAT I	-	-	-
EN61010-1 CAT II	-	-	-
EN61010-1 CAT III	600 V	1000 V	1000 V
EN61010-1 CAT IV	-	600 V	600 V