

110 Series Digital Multimeters

Sometimes smaller is better

True-rms



When size is important, the 110 Series are clearly the best choice. These little meters pack more features than many multimeters twice their size. True RMS AC measurements, a 6000-count display and min-max-average recording are standard with all models. And the capability to measure frequency and capacitance make them really powerful. The compact case has a removable protective holster and a battery door to allow easy replacement of the batteries.

Safety Conformance

All inputs are protected to EN61010-1 CAT III 600V. UL, CSA, TÜV listed and VDE pending.

Features

True-rms measurements	•	•	•
Digital display counts, updates 4 times per second	•	•	•
Display backlight	•	•	•
Analog bargraph / segments, updates 40 times per second	•	•	•
Auto and Manual ranging	•	•	•
Display Hold	•	•	•
Min-Max-Average recording mode with Min/Max Alert	•	•	•
Audible continuity and diode test	•	•	•
Test lead alert	•	•	•
Unsafe voltage alert warns for voltages above 30V	•	•	•
Low battery indication	•	•	•
Compact case with removable holster	•	•	•
Easy battery exchange without opening the complete case	•	•	•
Selectable sleep mode preserves battery life	•	•	•

	110	111	112
True-rms measurements	AC	AC	AC
Digital display counts, updates 4 times per second	6000	6000	6000
Display backlight			•
Analog bargraph / segments, updates 40 times per second	33-segments	33-segments	33-segments
Auto and Manual ranging	•	•	•
Display Hold	•	•	•
Min-Max-Average recording mode with Min/Max Alert	•	•	•
Audible continuity and diode test	•	•	•
Test lead alert	•	•	•
Unsafe voltage alert warns for voltages above 30V	•	•	•
Low battery indication	•	•	•
Compact case with removable holster	•	•	•
Easy battery exchange without opening the complete case	•	•	•
Selectable sleep mode preserves battery life	•	•	•



Accessories and Ordering Information

Included Accessories:

TL75 test leads, holster, installed 9V battery and users manual.

Ordering information:

FLUKE 110 Digital Multimeter
 FLUKE 111 Digital Multimeter
 FLUKE 112 Digital Multimeter

Pub_ID: 10341-eng
 Rev. 01

Specifications

Functions	Maximum	Max. resolution
Voltage DC	600 V	1 mV
Voltage AC	600 V	1 mV
Current DC	10 A	1 mA
Current AC	10 A	0.01 A
Resistance	40 MΩ	0.1 Ω
Capacitance	10000 μF	1 nF
Frequency	50 kHz	0.01 Hz

	110	111	112
Voltage DC	±(0.7%+2)	±(0.7%+2)	±(0.7%+2)
Voltage AC	±(1.0%+3)	±(1.0%+3)	±(1.0%+3)
Current DC		±(1.0%+3)	±(1.0%+3)
Current AC		±(1.5%+3)	±(1.5%+3)
Resistance	±(0.9%+1)	±(0.9%+1)	±(0.9%+1)
Capacitance	±(1.9%+2)	±(1.9%+2)	±(1.9%+2)
Frequency	±(0.1%+2)	±(0.1%+2)	±(0.1%+2)

Accuracies are best accuracies for each function

Battery Life : Alkaline, 300 hrs typical
Size (HxWxD) : 160 mm x 96 mm x 46 mm
Weight : 350 g
Three Year Warranty