



iS Tasira
Instruments & Services

Digital Multimeter selection guide

Pick the right digital multimeter for you		Average Responding DMM				True RMS DMM	
Model	Fluke 101	Fluke 101+	Fluke 106	Fluke 107	Fluke 158+	Fluke 17B+	Fluke 115
							
Basic features							
Counts	6000	6000	6000	6000	4000	4000	6000
True RMS / AVG responding	AVG	AVG	AVG	AVG	AVG	AVG	True RMS
Measurements							
DC	600V	600V	600V	600V	1000V	1000V	600V
Accuracy	±0.5% + 3 digit	±0.5% + 3 digit	±0.5% + 3 digit	±0.5% 3 digit	±0.5% + 3 digit	±0.5% + 3 digit	±0.5% + 2 digit
AC	600V	600V	600V	600V	1000V	1000V	600V
Accuracy	±1.0% + 3 digit	±1.0% + 3 digit	±1.0% + 3 digit	±1.0% + 3 digit	±1.0% + 3 digit	±1.0% + 3 digit	±0.1% + 3 digit
DC	-	-	10A	10A	10A	10A	10A
Accuracy	-	-	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1% + 3 digit
AC	-	-	10A	10A	10A	10A	10A
Accuracy	-	-	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit
Resistance	40 MΩ	40 MΩ	40 MΩ	40 MΩ	40 MΩ	40 MΩ	40 MΩ
Accuracy	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±1.5% + 3 digit	±0.9% + 1 digit
Capacitance	100 μF	100 μF	1000 μF	1000 μF	1000 μF	1000 μF	10 mF
Accuracy	-	-	±0.5% + 5 digit	±0.5% + 5 digit	±0.5% + 5 digit	±5% + 5 digit	±1.9% + 2 digit
Frequency	100 kHz	100 kHz	-	100 kHz	-	100 kHz	50 kHz
Accuracy	-	-	-	±0.1% + 3 digit	-	±0.1% + 3 digit	±0.1% + 2 digit
Temperature	-	-	-	-	-	-	-
Accuracy	-	-	-	-	-	±2% + 1°C	-
Other features							
Continuity check with beeper	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Min / Max / Avg recording	-	-	-	-	Min/Max	Min/Max	Yes
Data hold	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Diode test	Yes	Yes	-	Yes	Yes	Yes	Yes
Low battery indication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto power off	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto / manual ranging	-	-	-	-	Yes	Yes	Yes
Safety & Warranty							
Safety rating (EN61010)	CAT III	600V	600V	600V	600V	600V	600V
Warranty	Years	1 Year	1 Year	1 Year	1 Year	1 Year	3 Years

Digital Multimeters



Fluke 101

Fluke 101 and 101+ Digital Multimeter

Product highlights

- CAT III 600 V safety rated
- AC/DC Voltage, Resistance, Capacitance, Frequency measurement
- Basic DC accuracy $\pm 0.5\%$
- 6000 counts
- Diode and continuity test with buzzer
- Small lightweight design - easy to carry in pocket
- Rugged, reliable, accurate readings
- Long battery life with auto power OFF
- Statement of calibration practices included
- 1 year Fluke India warranty

Ordering information

FLUKE-101 Digital Multimeter

FLUKE-101+ Digital Multimeter (with smart strap)

Included accessories

- TL75 Test leads
- 2 AAA Batteries [installed]
- User manual
- Statement of calibration practices included
- Smart Strap (with Fluke 101+ only)



Fluke 101+



MY FIRST FLUKE

Fits easily in shirt pocket

Designed for basic electrical tests, the Fluke 101 digital multimeter offers reliable measurements for residential / commercial electricians and heating and air conditioning technicians. This small light weight multimeter fits comfortably in your hand but is rugged enough to withstand daily use for years to come. When it comes to professional -grade affordable multimeters, Fluke 101 digital multimeter is your best choice.



Digital Multimeters



Fluke 106

Fluke 106 & 107 Palm - Sized Digital Multimeters

Product highlights

- CAT III 600 V safety rated
- 6000 counts
- Basic DC accuracy $\pm 0.5\%$
- AC/DC current, AC/DC Voltage, Resistance, Capacitance, Frequency (107 only) measurement
- Diode (107 only) and continuity test with buzzer
- Large easy to read backlit display (107 only)
- Small lightweight design - easy to carry in pocket
- Rugged, Reliable, Accurate readings
- Long battery life with auto power OFF
- Statement of calibration practices included

Put measurements
in the palm of your hand



The Fluke 106 and 107 are compact, easy to use tools. These are palm-seized digital multimeters deliver safe, reliable measurements time after time. The Fluke 106 and 107 are great products made to fit the way you work! These are the only Fluke digital multimeters designed to fit in the palm of your hand and go with you no matter where your job takes you.

Ordering information

FLUKE-106 Digital Multimeter

FLUKE-107 Digital Multimeter

Included accessories

- TL 75 Test leads
- 2 AAA Batteries [installed]
- Users manual
- Statement of calibration practices included
- 1 year Fluke India warranty



Fluke 107

Carry Case C10X

for Fluke 101, 101+, 106, 107



Optional accessory

*Features may vary from model to model

Digital Multimeters

Fluke 15B+ & 17B+ Digital Multimeters

The Fluke 15B+ and 17B+ digital multimeters are compact, easy to use tools that deliver safe, reliable measurements.

The right tools for the job

Your job requires that you have a rugged, reliable and accurate digital multimeter. The new Fluke 15B+ and 17B+ offer everything you need.

Product highlights

- CAT III 600 V safety rating
- 50 % bigger display with bright white backlight
- Over-voltage indicator (17B+)
- Frequency and temperature measurement (17B+)
- Voltage, resistance, continuity, capacitance
- Input terminal for ac and dc current measurements to 10 A current
- Diode test, data hold



Fluke 17B+

Fluke 15B+



General specifications

Maximum voltage between any terminal and earth ground	1000 V
Display (LCD)	4000 counts, updates 3/sec
Battery type	2 AA, NEDA 15 A, IEC LR6
Battery life	500 hours minimum (50 hours in LED Test mode without load. The hours with load depends on the type of LED under test.)
Temperature	Operating: 0 °C to 40 °C; Storage: -30 °C to 60 °C
Relative humidity	Operating humidity: ≤ 90 % RH at 10 °C to 30 °C; ≤ 75 % RH at 30 °C to 40 °C; non-condensing (<10 °C)
Operating humidity, 40 MΩ range	≤ 80 % RH at 10 °C to 30 °C; ≤ 70 % RH at 30 °C to 40 °C
Altitude	Operating: 2000 m; Storage: 12,000 m
Temperature coefficient	0.1 X (specified accuracy) /°C (<18 °C or >28 °C)
Fuse protection for current inputs	440 mA, 1000 V fast fuse, Fluke specified part only. 11 A, 1000 V fast fuse, Fluke specified part only
Size (HxWxL)	183 mm x 91 mm x 49.5 mm
Weight	455 g
IP rating	IP40
Safety	IEC 61010-1, IEC61010-2-030 CAT III 600 V, CAT II 1000 V, Pollution Degree 2
Electromagnetic environment	IEC 61326-1: Portable

Class A Equipment (Industrial Broadcasting & Communication Equipment)

¹This product meets requirements for industrial (Class A) electromagnetic wave equipment and seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in homes.

Digital Multimeters

Fluke 115 True RMS Digital Multimeter

Compact and easy to use 6000 count True RMS DMM, perfect for general purpose electrical & electronics troubleshooting



Fluke 115

Product highlights

- CAT III 600 V safety rated
- 6000 Count True RMS measurements
- AC/DC Current, AC/DC Voltage, Resistance, Frequency, Capacitance Measurements
- Diode & continuity test with buzzer
- Min/Max/Average to record signal fluctuations
- Large white LED backlight to work in poorly lit areas
- Long battery life with auto power off
- Statement of calibration practices included
- 3 years Fluke India warranty



Compact true-rms meter for field service technicians

The Fluke 115 is the solution for a wide variety of electrical and electronic testing applications. This true-rms meter provides easy one-handed operation in a compact package.

Specifications

Maximum voltage between any terminal and earth ground	600 V
Surge protection	6 kV peak per IEC 61010-1 600 V CAT III, Pollution Degree 2
Fuse for A input	11 A, 1000 V FAST Fuse (Fluke PN 803293)
Display	Digital: 6,000 counts, updates 4/sec
Bar graph	33 segments, updates 32/sec
Operating temperature	-10 °C to + 50 °C
Storage temperature	-40 °C to + 60 °C
Battery	9 volt Alkaline, NEDA 1604A/ IEC 6LR61
Battery life	400 hours typical, without backlight





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