

Fluke 115 **True-rms** Digital Multimeter



Designed for Field Service Technicians

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

It comes with a white large LED backlight to work in poorly lit areas with resistance, continuity functions and Min/Max/Average to record signal fluctuations. In addition it is CAT III 600 V safety rated.

Specifications

AC/DC Voltage Measurement	
Counts	6000
True-rms Readings	AC
Basic DC Accuracy	0.5%
Auto/Manual Ranging	•
Measurements	
Voltage AC/DC	600 V
Current AC/DC	10 A
Resistance	40 MΩ
Frequency	50 kHz
Capacitance	10 μF
Continuity with Beeper	•
Diode Test	•
Display	
Analog Bargraph	•
Backlight	•
Warranty & Safety	
Warranty	3 years
Dangerous Voltage Indication	•
EN61010-1 CAT III	600V





What is true-rms?

True-rms is a precise technique of measuring the rms value of a signal. This measurement is very vital since most of the electrical equipment will be designed for this value as they are vulnerable to heat dissipation.

When we use the DMM, which is not True-rms meter, the reading will vary from any range between 0.6 to 1.1 times the actual values. This highly inaccurate way of measurement may lead to failure in design, operation and maintenance of electrical equipments and may cause severe damage to equipments and personal safety. Hence True-rms is the only reliable measurement.



The true-rms multimeter is labelled on the front panel.

Multimeter type	Response to sine wave	Response to square wave	Response to single phase diode rectifier	Response to 3 ϕ diode rectifier
				
Average responding	Correct	10% high	40% low	5-30% low
True-rms	Correct	Correct	Correct	Correct