

TECHNICAL DATA

Fluke 110 True-rms Multimeter



Compact true-rms meter for accurate electrical installation and troubleshooting

The Fluke 110 is a versatile multimeter for electrical measurements and troubleshooting. Trusted by residential and commercial electricians for troubleshooting and maintenance. The 110 is for professional use, where true-rms accuracy is needed.

Features include

- True-rms ac voltage for accurate measurements on non-linear signals
- Large white LED backlight to work in poorly lit areas
- Resistance and continuity
- Min/Max/Average to record signal fluctuations
- CAT III 600 V safety rated

SAFETY RATING
CAT III 600 V

WARRANTY
3 years

PROFESSIONAL, ACCURATE, EASY-TO-USE

The 110 is a great fit for all your essential electrical measurements.

- Ideal meter for go/no-go troubleshooting
- Features a compact ergonomic design for one-handed operation
- Comes with an holster with probe holders for easy storage
- Features manual and automatic ranging
- Fits into optional ToolPak™ magnetic hanger for hands-free operation



Specifications

Accuracy is specified for 1 year after calibration, at operating temperatures of 18 °C to 28 °C, with relative humidity at 0 % to 90 %. The accuracy specifications take the form of: ± ([% of Reading] + [Counts])

General specifications			
Maximum voltage (between any terminal and earth ground)	600 V		
Safety	IEC 61010-1, Pollution degree 2 IEC 61010-2-033, CAT III 600 V		
Display	Digital: 6,000 counts, updates 4/sec		
Bar graph	33 segments, updates 32/sec		
Temperature			
Operating	-10 °C to + 50 °C		
Storage	-40 °C to + 60 °C		
Battery	9 volt Alkaline, IEC 6LR61		
Battery life	400 hours typical, without backlight		
Accuracy			
Measurement	Range	Resolution	Accuracy ± ([% of reading] + [counts])
DC millivolts	600.0 mV	0.1 mV	0.5 % + 2
DC volts	6.000 V 60.00 V 600.0 V	0.001 V 0.01 V 0.1 V	0.5 % + 2
AC millivolts ¹ true-rms	600.0 mV	0.1 mV	1.0 % + 3 (dc, 45 Hz to 500 Hz) 2.0 % + 3 (500 Hz to 1 kHz)
AC volts ¹ true-rms	6.000 V 60.00 V 600.0 V	0.001 V 0.01 V 0.1 V	1.0 % + 3 (dc, 45 Hz to 500 Hz) 2.0 % + 3 (500 Hz to 1 kHz)
Continuity	600 Ω	1 Ω	Beeper on < 20 Ω, off > 250 Ω; detects opens or shorts of 500 μs or longer.
Ohms	600.0 Ω 6.000 kΩ 60.00 kΩ 600.0 kΩ 6.000 MΩ 40.00 MΩ	0.1 Ω 0.001 kΩ 0.01 kΩ 0.1 kΩ 0.001 MΩ 0.01 MΩ	0.9 % + 1 5 % + 2

¹All ac voltage ranges are specified from 1 % to 100% of range. Because inputs below 1 % of range are not specified, it is normal for this and other true-rms meters to display non-zero readings when the test leads are disconnected from a circuit or are shorted together. For volts, crest factor of ≤ 3 at 4000 counts, decreasing linearly to 1.5 at full scale. AC volts is ac-coupled.

Ordering information

FLUKE-110 Electrical Multimeter

Included

TL75 Hard Point™ Test Lead Set, and 9 V battery (installed).

Fluke. *Keeping your world up and running.*®

Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V.
PO Box 1186, 5602 BD
Eindhoven, The Netherlands

Modification of this document is not permitted without written permission from Fluke Corporation.

For more information call:

In the U.S.A. (800) 443-5853 or
Fax (425) 446-5116
In Europe/M-East/Africa +31 (0)40 267 5100 or
Fax +31 (0)40 267 5222
In Canada (800)-36-FLUKE or
Fax (905) 890-6866
From other countries +1 (425) 446-5500 or
Fax +1 (425) 446-5116
Web access: <http://www.fluke.com>

©2019 Fluke Corporation.
Specifications subject to change without notice.
Printed in U.S.A. 10/2019 6012900a-en

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Digital Multimeters](#) category:

Click to view products by [Fluke](#) manufacturer:

Other Similar products are found below :

[2727795](#) [2727486](#) [6111-517](#) [40705X](#) [3026976](#) [P 8100](#) [OW18D](#) [OW18E](#) [OW18B](#) [UT334A](#) [1833C](#) [UT611](#) [1832C](#) [BM2807CSE](#) [45218](#)
[MM200](#) [UT52](#) [FMHT82565-0](#) [UT802](#) [UT12E-EU](#) [SEFRAM7212](#) [UT8805E](#) [UT60EU](#) [BM2803CSE](#) [45215](#) [UT8804E](#) [RS3250](#)
[BM2805CSE](#) [STHT0-77364](#) [RS3251](#) [NP40 000M0](#) [NP45 100M0](#) [BK391B](#) [BK393B](#) [BK390B](#) [FLK-87VMAX-PVLEAD1](#) [1664FC](#) [SCH](#)
[FTT KIT](#) [BK394B](#) [KPS-MT720](#) [KPS-MT460](#) [KPS-MT440](#) [KPS-MT700](#) [KPS-MT480](#) [KPS-SL100](#) [KPS-MT920](#) [KPS-MT470](#) [RS3248](#)
[UT267B](#) [KPSMT490CBINT](#) [RS3252](#)