

TECHNICAL DATA

Fluke 301D AC/DC Clamp Meter





Key features

- The body weighs only 154g and is 16mm thick, which is light and portable and can be put into a pocket
- The slim and thin jaw of only 10mm can easily fit into tightly packed wires
- 600A AC/DC range, 0.01A high resolution
- Tests voltage, resistance and continuity
- Tests current frequency and voltage frequency
- **Not equipped with True RMS feature**
- Tests capacitance and diodes
- Backlight

Product overview: Fluke 301D AC/DC Clamp Meter

The Fluke 301D Series AC/DC Clamp Meter is designed with lightweight and compact body, which allows you to carry it around in your pocket. The slim and thin jaw can easily fit into tightly packed wires. The Fluke 301D tests current, voltage, resistance, continuity, frequency (voltage and current), capacitance, and diode, etc.. You can handle more test needs with it. With AC/DC function, it can be applied to more application scenarios requiring DC testing, such as new energy of PV and wind power, new energy vehicles, communications, data centers, etc..

Specifications: Fluke 301D AC/DC Clamp Meter

Specifications

Accuracy is specified for 1 year after calibration, with operating temperatures from 18 °C to 28 °C and relative humidity from 0 % to 75 %. Accuracy specifications take the form of:
 $1(\% \text{ of Reading}) + [\text{Number of Least Significant Digits}]$.

Models		301D	
AC Current (45 to 400 Hz)	Range	60.00 A	600.0 A
	Resolution	0.01 A	0.1 A
	Accuracy	2%+10	2%+5
DC Current	Range	60.00 A	600.0 A
	Resolution	0.01 A	0.1 A
	Accuracy	2%+10	2%+5
AC Voltage (45 to 400 Hz)	Range	600.0 V	
	Resolution	0.1 V	
	Accuracy	1.5%+5	
DC Voltage	Range	600.0 V	
	Resolution	0.1 V	
	Accuracy	1%+5	
Resistance	Range	600.0 Ω 6.000 k Ω 60.00 k Ω	
	Accuracy	1% + 5	

Voltage Frequency	Range	9.999 Hz tt99.99 Hz tt999.9 Hz tt9.999 kHz tt99.99 kHz	
	Accuracy	0.1% + 3	
Current Frequency	Range	45.0-400.0 Hz	
	Accuracy	0.1% + 3	
Capacitance	Range	9.999 uF	99.99 uF 999.9 uF
	Accuracy	2% + 5	5% + 5
Diode	Range	3.000 V	
	Accuracy	10%	
T-rms Value		-	
Continuity		u25cf	
Hold		u25cf	
Backlight		u25cf	
Safety Rating		CAT III 300 V	
Weight		154 g	
Size		190 mm x 52 mm x 16 mm	
Jaw Opening		34 mm	
Clamp Arm Size		10 mm x 10 mm	
Baery		2 x AAA	
Warranty		1 year	

General Specifications

Maximum Voltage between any Terminal and Earth Ground	300 V
Maximum Differential Voltage between V/u03a9 and COM Terminals	600 V
Display (LCD)	6000 counts, updates 3 times per second
Baery Type	2 AAA, IEC LR03
Baery Life	500 hours minimum
Auto Power Off Time	20 minutes
Temperature	Operating: -10 u00b0C to 50 u00b0Cuff1b
	Storage: -30 u00b0C to 60 u00b0C
Relative Humidity	Operating Humidity: Non condensing (<10u00b0C); u2264 90 % RH at 10 u00b0C to 30 u00b0C; u2264 75 % RH at 30 u00b0C to 40 u00b0C; u2264 45 % RH at 40 u00b0C to 50 u00b0C;
Altitude	Operating: 2000 m; Storage: 12000 m

Temperature Coefficient	0.1 x (specified accuracy) /u00b0C (<18 u00b0C or >28 u00b0C)
Dimensions (H x W x L)	190 mm x 52 mm x 16 mm
Weight	132 g (301D/E 154 g)
Jaw Opening	34 mm
Ingress Protection Rating	IP30
Safety	IEC 61010--1, IEC61010-2-032 CAT III 300 V, Pollution Degree 2
Electromagnetic Environment	IEC 61326--1: Portable

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

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

Fluke Australia
Unit 26, 7 Anella Ave
Castle Hill, NSW 2154 Australia
Phone: 61 2 8850-3333
www.fluke.com.au

©2024 Fluke Corporation. All rights reserved.
Specifications subject to change without notice.
12/2024

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