

TECHNICAL DATA

Fluke 301A





Key features

- The body weighs only 132g and is 16mm thick, which is light and portable and can be fitted into a pocket
- The slim and thin jaw of only 10mm can easily clamp onto tightly packed wires
- 400A AC range, 0.01A high resolution
- Tests voltage, resistance and continuity
- Tests current frequency and voltage frequency
- Tests capacitance and diodes

Product overview: Fluke 301A

Fluke 301A

The Fluke 301A Clamp Meter has a lightweight and compact body, which allows you to carry it around in your pocket. The slim and thin jaw can easily clamp onto tightly packed wires. The Fluke 301A tests current, voltage, resistance, continuity, frequency (voltage and current), capacitance, and diode, etc.. You can handle more testing needs with it.

Specifications: Fluke 301A

Specifications

Accuracy is specified for 1 year after calibration, with operating temperatures from 18 u00b0C to 28 u00b0C and relative humidity from 0 % to 75 %. Accuracy specifications take the form of: u00b1[% of Reading] + [Number of Least Significant Digits].

Models		301A/301A+	301B	301C
AC Current (45 to 400 Hz)	Range	40.00 A 400.0 A	60.00 A 600.0 A	60.00 A 600.0 A 1000 A
	Resolution	0.01 A 0.1 A	0.01 A 0.1 A	0.01 A 0.1 A 1 A
	Accuracy	2 % + 10 2 % + 5	2 % + 10 2 % + 5	2 % + 10 2 % + 5 2 % + 5
AC Voltage (45 to 400 Hz)	Range	600.0 V	600.0 V	600.0 V
	Resolution	0.1 V	0.1 V	0.1V
	Accuracy	1.5% + 5	1.5% + 5	1.5% + 5
DC Voltage	Range	600.0 V	600.0 V	600.0 V
	Resolution	0.1 V	0.1 V	0.1 V
	Accuracy	1% + 5	1% + 5	1% + 5
Resistance	Range	600.0 u03a9 tt6.000 ku03a9 tt60.00 ku03a9	600.0 u03a9 tt6.000 ku03a9 tt60.00 ku03a9	600.0 u03a9 tt6.000 ku03a9 tt60.00 ku03a9
	Accuracy	1% + 5	1% + 5	1% + 5
Voltage Frequency	Range	9.999 Hz tt99.99 Hz tt999.9 Hz tt9.999 kHz tt99.99 kHz	9.999 Hz tt99.99 Hz tt999.9 Hz tt9.999 kHz tt99.99 kHz	9.999 Hz tt99.99 Hz tt999.9 Hz tt9.999 kHz tt99.99 kHz
	Accuracy	0.1% + 3	0.1% + 3	0.1% + 3

Current Frequency	Range	45.0 to 400.0 Hz		45.0 to 400.0 Hz		45.0 to 400.0 Hz	
	Accuracy	0.1% + 3		0.1% + 3		0.1% + 3	
Capacitance	Range	9.999 uF	99.99 uF 999.9 uF	9.999 uF	99.99 uF 999.9 uF	9.999 uF	99.99 uF 999.9 uF
	Accuracy	2 % + 5	5% + 5	2 % + 5	5% + 5	2 % + 5	5% + 5
Diode	Range	3.000 V		3.000 V		3.000 V	
	Accuracy	10%		10%		10%	
T-rms Value		-		-		u25cf	
Continuity		u25cf		u25cf		u25cf	
Hold		u25cf		u25cf		u25cf	
Backlight		-		u25cf		u25cf	
Safety rating		CAT III 300V		CAT III 300V		CAT III 300V	
Weight		132 g		132 g		132 g	
Size		190 mm x 52 mm x 16 mm		190 mm x 52 mm x 16 mm		190 mm x 52 mm x 16 mm	
Jaw Opening		34 mm		34 mm		34 mm	
Clamp Arm Size		10 mm X 10 mm		10 mm X 10 mm		10 mm X 10 mm	
Baery		(2) AAA Baeries		(2) AAA Baeries		(2) AAA Baeries	
Warranty		1 year		1 year		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
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.

For more information call:
In the U.S.A. (800) 443-5853
In Europe/M-East/Africa
+31 (0)40 267 5100
In Canada (800)-36-FLUKE
From other countries +1 (425) 446-5500

BUT. FLUKE SOUTH EAST ASIA PTE LTD
Menera Satu Sentra Kelapa Gading #06-05
JI. Bulevar Kelapa Gading Kav. LA# No. 1
Summarecon Kelapa Gading
Jakarta Utara 14240
Indonesia
Tel: +62 21 2938 5922
Email: info.asean@fluke.com
www.fluke.com/id-en
©2024 Fluke Corporation. Specifications subject to
change without notice.
11/2024

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