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 (D model), 0.01A high resolution
- Tests voltage, resistance and continuity
- Tests current frequency and voltage frequency
- Tests capacitance and diodes
- Backlight

Product overview: Fluke 301D AC/DC Clamp Meter

The Fluke 301D Series AC/DC Clamp Meter is designed with a 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 test current, voltage, resistance, continuity, frequency (voltage and current), capacitance, and diode, etc.. You can handle multiple test needs with just one tool. With the 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

Models	301D	301E

AC Current (45 to 400 Hz)	Range	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	1 A
	Accuracy	2% + 10	2% + 5	2% + 10	2% + 5	2% + 5
DC Current	Range	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	1 A
	Accuracy	2% + 10	2% + 5	2% + 10	2% + 5	2% + 5
AC Voltage (45 to 400 Hz)	Range	600.0 V		600.0 V		
	Resolution	0.1 V		0.1 V		
	Accuracy	1.5% + 5		1.5% + 5		
DC Voltage	Range	600.0 V		600.0 V		
	Resolution	0.1 V		0.1 V		
	Accuracy	1% + 5		1% + 5		
Resistance	Range	600.0 Ω 6.000 kΩ 60.00 kΩ		600.0 Ω 6.000 kΩ 60.00 kΩ		
	Accuracy	1% + 5		1% + 5		
Voltage Frequency	Range	9.999 Hz 99.99 Hz 999.9 Hz 9.999 kHz 99.99 kHz		9.999 Hz 99.99 Hz 999.9 Hz 9.999 kHz 99.99 kHz		
	Accuracy	0.1% + 3		0.1% + 3		
Current Frequency	Range	45.0-400.0 Hz		45.0-400.0 Hz		
	Accuracy	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	
	Accuracy	2% + 5	5% + 5	2% + 5	5% + 5	
Diode	Range	3.000 V		3.000 V		
	Accuracy	10%		10%		
T-rms Value		-		-		
Continuity		✓		✓		
Hold		✓		✓		
Backlight		✓		✓		
Safety rating		CAT III 300 V		CAT III 300 V		
Weight		154 g		154 g		
Size		190 mm x 52 mm x 16 mm		190 mm x 52 mm x 16 mm		
Jaw Opening		34 mm		34 mm		
Clamp Arm Size		10 mm X 10 mm		10 mm X 10 mm		
Battery		(2) AAA batteries		(2) AAA batteries		

Warranty	1 year	1 year

General Specifications

Maximum Voltage between any Terminal and Earth Ground	300 V
Maximum Differential Voltage between V/Ω and COM Terminals	600 V
Display (LCD)	6000 counts, updates 3 times per second
Battery Type	2 AAA, IEC LR03
Battery Life	500 hours minimum
Auto Power Off Time	20 minutes
Temperature	Operating: -10 °C to 50 °C
	Storage: -30 °C to 60 °C
Relative Humidity	Operating Humidity: Non condensing (<10°C); ≤ 90 % RH at 10 °C to 30 °C; ≤ 75 % RH at 30 °C to 40 °C; ≤ 45 % RH at 40 °C to 50 °C;
Altitude	Operating: 2000 m; Storage: 12000 m
Temperature Coefficient	0.1 x (specified accuracy) /°C (<18 °C or >28 °C)
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

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