

TECHNICAL DATA

Fluke 301B



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
- 600A AC range, 0.01A high resolution
- Tests voltage, resistance and continuity
- Tests current frequency and voltage frequency
- Tests capacitance and diodes
- Backlight

Product overview: Fluke 301B

Fluke 301B

The Fluke 301B 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 301B tests current, voltage, resistance, continuity, frequency (voltage and current), capacitance, and diode, etc.. You can handle more testing needs with it.

Specifications: Fluke 301B

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:
 \pm ([% 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
	Resolution	0.01 A	0.1 A	0.01 A	0.1 A	0.01 A	0.1 A
	Accuracy	2 % + 10	2 % + 5	2 % + 10	2 % + 5	2 % + 10	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		0.1 V	
	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 Ω		600.0 Ω		600.0 Ω	
		6.000 kΩ		6.000 kΩ		6.000 kΩ	
	Accuracy	60.00 kΩ		60.00 kΩ		60.00 kΩ	
Voltage Frequency	Range	9.999 Hz		9.999 Hz		9.999 Hz	
		99.99 Hz		99.99 Hz		99.99 Hz	
		999.9 Hz		999.9 Hz		999.9 Hz	
		9.999 kHz		9.999 kHz		9.999 kHz	
		99.99 kHz		99.99 kHz		99.99 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		-		-		●	
Continuity		●		●		●	
Hold		●		●		●	
Backlight		-		●		●	
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
Battery	(2) AAA Batteries	(2) AAA Batteries	(2) AAA Batteries
Warranty	1 year	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
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.

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