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Fluke 116/323 HVAC Combo Kit - Includes Multimeter and Clamp Meter

Fluke 116/323 Multimeter and Clamp Meter kit for HVAC enables efficient troubleshooting and problem solving. Check out the versatility of this combination.

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Fluke 116 HVAC Multimeter with Temperature and Microamps

Specifications

Maximum voltage between any terminal and earth ground	600 V
Surge protection	6 kV peak per IEC 61010-1 600 V CAT III, Pollution Degree 2
Display	6,000 counts, updates 4 per second
Bar graph	33 segments, updates 32 per second
Operating temperature	-10°C to +50°C
Storage temperature	-40°C to +60°C
Battery type	9 volt Alkaline, NEDA 1604A/ IEC 6LR61

Battery life 400 hours typical, without backlight

Accuracy Specifications

DC millivolts	Range/Resolution	600.0 mV / 0.1 mV
	Accuracy	\pm ([% of reading] + [counts]): 0.5% + 2
DC volts	Range/Resolution	6.000 V / 0.001 V 60.00 V / 0.01 V 600.00 V / 0.1 V
	Accuracy	\pm ([% of reading] + [counts]): 0.5% + 2
	Auto volts	Range/Resolution 600.0 V / 0.1 V
	Accuracy	2.0% + 3 (DC, 45 Hz to 500 Hz) 4.0% + 3 (500 Hz to 1 kHz)
AC millivolts¹ True RMS	Range/Resolution	600.0 mV / 0.1 mV
	Accuracy	1.0% + 3 (DC, 45 Hz to 500 Hz) 2.0% + 3 (500 Hz to 1 kHz)
AC volts¹ True RMS	Range/Resolution	6.000 V / 0.001 V 60.00 V / 0.01 V 600.0 V / 0.1 V
	Accuracy	1.0% + 3 (DC, 45 Hz to 500 Hz) 2.0% + 3 (500 Hz to 1 kHz)
	Continuity	Range/Resolution 600 Ω / 1 Ω
	Accuracy	Beeper on < 20 Ω , off > 250 Ω ; detects opens or shorts of 500 μ s or longer.
Ohms	Range/Resolution	600.0 Ω / 0.1 Ω 6.000 k Ω / 0.001 k Ω 60.00 k Ω / 0.01 k Ω 600.0 k Ω / 0.1 k Ω 6.000 M Ω / 0.001 M Ω
	Accuracy	0.9% + 1
	Range/Resolution	40.00 M Ω / 0.01 M Ω
	Accuracy	1.5% + 2
	Diode test	Range/Resolution 2.000 V / 0.001 V
	Accuracy	0.9% + 2
Capacitance	Range/Resolution	1000 nF / 1 nF 10.00 μ F / 0.01 μ F 100.0 μ F / 0.1 μ F 9999 μ F / 1 μ F 100 μ F to 1000 μ F
	Accuracy	1.9% + 2
	Range/Resolution	> 1000 μ F

	Accuracy	5% + 20%
LoZ capacitance	Range	1 nF to 500 μ F
	Accuracy	10% + 2 typical
Temperature² (Type-K thermocouple)	Range/Resolution	-40°C to 400°C / 0.1°C
	Accuracy	1% + 10 ²
	Range/Resolution	-40°F to 752°F / 0.2°F
	Accuracy	1% + 18 ²
AC μamps True RMS (45 Hz to 500 Hz)	Range/Resolution	600.0 μ A / 0.1 μ A
	Accuracy	1.0% + 2
DC μamps	Range/Resolution	600.0 μ A / 0.1 μ A
	Accuracy	1.0% + 2
Hz (V or A input)²	Range/Resolution	99.99 Hz / 0.01 Hz
		999.99 Hz / 0.1 Hz
		9.999 Hz / 0.001 Hz
		50.00 Hz / 0.01 Hz
	Accuracy	0.1% + 2

1. All AC voltage ranges except Auto-V/LoZ are specified from 1% to 100% of range. Auto-V/LoZ is specified from 0.0 V.

2. Temperature uncertainty (accuracy) does not include the error of the thermocouple probe.

- Frequency is AC coupled, 5 Hz to 50 kHz for AC voltage. Frequency is DC coupled, 45 Hz to 5 kHz for AC current.
- Temperature Range/Resolution: -40°F to 752°F / 0.2°F

Mechanical and General Specifications

Size 167 x 84 x 46 mm (6.57 x 3.31 x 1.82 in)

Weight 550 g

Warranty 3 years

Fluke 323 True-rms Clamp Meter

Specifications

AC current	Range	400.0 A
	Accuracy	2% \pm 5 digits (45 Hz to 65 Hz)
		2.5% \pm 5 digits (65 Hz to 400 Hz)
AC voltage	Range	600.0 V
	Accuracy	1.5% \pm 5 digits
DC voltage	Range	600.0 V
	Accuracy	1.0% \pm 5 digits
Resistance	Range/Resolution	400.0 Ω / 4000 Ω

	Accuracy	1.0% ±5 digits
Continuity		≤ 70 Ω
AC response		True-rms
Data hold		Yes
Size	H x W x D (mm)	207 x 75 x 34
	Max wire diameter	30 mm (600 MCM)
	Weight	265 g
Category rating	CAT III 600 V CAT IV 300 V	
Warranty	Two-year	

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