



## Fluke HVAC True RMS Multimeter and Clamp Meter Combo Kit Fluke 116/323

Having the right tool for the job is essential. Having all the right tools when you need them is even better. The Fluke 116/323 HVAC Combo Kit gives you the best in a versatile, rugged multimeter and a fast-acting, general purpose clamp meter.

**SKU:**

**Price:**

**Stock:** instock

**Categories:** [Fluke Product](#), [Newest](#)

### Product Description

The Fluke 116 comes with the Fluke 80BK-A integrated DMM temperature probe; no need to carry a separate thermometer. The microamp function allows flame sensor measurement down to 0.1 microamps. The AutoV/LoZ function prevents false readings caused by ghost voltage. The Fluke 116 also has a large white LED backlight for work in poorly lit areas. It measures resistance, continuity, frequency, and capacitance and provides Min/Max/Average readings with elapsed time to record signal fluctuations. Fluke 116 multimeters are independently tested for safe use in CAT III 600 V environments. True RMS measurements and optimized ergonomics make the Fluke 323 True RMS Clamp Meter the best general purpose clamp meter for commercial and residential electricians. The Fluke 323 model is ideally suited for current measurements up to 400 A in tight cable compartments. Together, the Fluke 116 HVAC Multimeter and 323 True RMS Clamp Meter give electricians the right tools for the job.

### Key features

**Fluke 116 Digital Multimeter. Designed by Electricians. Engineered by Fluke.**

- Built-in thermometer for HVAC applications
- Microamps to test flame sensors
- Low input impedance: helps prevent false readings due to ghost voltage
- Large white LED backlight to work in poorly lit areas
- Resistance, continuity, frequency and capacitance
- Min/Max/Average with elapsed time to record signal fluctuations
- Compact ergonomic design for one-handed operation
- Compatible with optional magnetic hanger (ToolPak™)
- CAT III 600 V safety rated

**Fluke 323 True-rms Clamp Meter. Rugged. Reliable. Precise.**

- 400 A AC current measurement
- 600 VAC and DC voltage measurement

- True RMS AC voltage and current for accurate measurements on non-linear signals
- Resistance measurement up to 40 k $\Omega$  with continuity detection
- Slim, ergonomic design
- CAT IV 300 V/CAT III 600 V safety rating

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

## 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	<b>Range/Resolution</b>	600.0 mV / 0.1 mV
	Accuracy	$\pm$ ([% of reading] + [counts]): 0.5% + 2
DC volts	<b>Range/Resolution</b>	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	<b>Range/Resolution</b>	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 millivolts <sup>1</sup> True RMS	<b>Range/Resolution</b>	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 volts <sup>1</sup> True RMS	<b>Range/Resolution</b>	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	<b>Range/Resolution</b>	600 $\Omega$ / 1 $\Omega$
	Accuracy	Beeper on < 20 $\Omega$ , off > 250 $\Omega$ ; detects opens or shorts of 500 $\Omega$ s or longer.

Ohms	<b>Range/Resolution</b>	600.0 ? / 0.1 ? 6.000 k? / 0.001 k? 60.00 k? / 0.01 k? 600.0 k? / 0.1 k? 6.000 M? / 0.001 M?
	Accuracy	0.9% + 1
	Range/Resolution	40.00 M? / 0.01 M?
Diode test	<b>Range/Resolution</b>	2.000 V / 0.001 V
	Accuracy	0.9% + 2
	<b>Range/Resolution</b>	1000 nF / 1 nF 10.00 ?F / 0.01 ?F 100.0 ?F / 0.1 ?F 9999 ?F / 1 ?F 100 ?F to 1000 ?F
Capacitance	Accuracy	1.9% + 2
	Range/Resolution	> 1000 ?F
	Accuracy	5% + 20%
LoZ capacitance	<b>Range</b>	1 nF to 500 ?F
	Accuracy	10% + 2 typical
	<b>Range/Resolution</b>	-40°C to 400°C / 0.1°C
Temperature <sup>2</sup> (Type-K thermocouple)	Accuracy	1% + 10 <sup>2</sup>
	Range/Resolution	-40°F to 752°F / 0.2°F
	Accuracy	1% + 18 <sup>2</sup>
AC ?amps True RMS (45 Hz to 500 Hz)	<b>Range/Resolution</b>	600.0 ?A / 0.1 ?A
	Accuracy	1.0% + 2
	<b>Range/Resolution</b>	600.0 ?A / 0.1 ?A
DC ?amps	Accuracy	1.0% + 2
	<b>Range/Resolution</b>	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	<b>Range</b>	400.0 A
	Accuracy	2% ±5 digits (45 Hz to 65 Hz) 2.5% ±5 digits (65 Hz to 400 Hz)

AC voltage	Range	600.0 V
	Accuracy	1.5% ±5 digits
DC voltage	Range	600.0 V
	Accuracy	1.0% ±5 digits
Resistance	Range/Resolution	400.0 ?/ 4000 ?
	Accuracy	1.0% ±5 digits
Continuity		? 70 ?
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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