

Accurate. Rugged. Safe.

The new Fluke 319 is designed based on detailed research into the requirements of electrical engineers. These clamps are powerful tools for the daily maintenance and installation of electronics.

- Slim clamps, lightweight body
- More suitable for use in narrow spaces
- Unique 40 A low frequency measurements capability with 0.01 A resolution, 1.6 % accuracy
- Inrush current measurement technology allows measurement of start-up current in electrical and lighting equipment
- Frequency measurement
- Enable accurate measurement of PWM output
- Data hold features with large, easy to read backlight display

Specifications		
Function	Parameter	Fluke 319
AC Current	Range	40.00 A
		600.0 A
		1000 A
	Resolution	0.01 A
		0.1 A
		1 A
Precision	1.6% ± 6 digits (50-60 Hz) [40 A]	
	2.5% ± 8 digits (60-500 Hz) [40 A]	
	1.5% ± 5 digits (50-60 Hz) [600/1000 A]	
	2.5% ± 5 digits (60-500 Hz) [600/1000 A]	
When crest factor CF > 2 increase the specifications by 2%	For 500 A, maximum 3.0 For 600 A, maximum 2.5 For 1000 A, maximum 1.4	
AC Response	rms	
DC Current	Range	40.00 A
		600.0 A
		1000 A
	Resolution	0.01 A 0.1 A 1 A
Accuracy	1.6% ± 6 digits [40 A]	
AC Voltage	Range	600.0 V
	Resolution	0.1V
	Accuracy	1.5% ± 5 digits (20-500Hz)
AC Response	rms	
DC Voltage	Range	600.0 V
	Resolution	0.1 V
	Accuracy	1% ± 4 digits
Resistance	Range	400Ω - 4000Ω
	Resolution	0.1Ω 1.0Ω
Accuracy	1% ± 5 digits	
Continuity		≤ 30 Ω
Inrush Current	Integration Time	100 ms
Frequency	Measuring Span	5.0-500.0 Hz
	Accuracy	0.5% ± 5 digits
Power Level	10 - 100 Hz ≥ 5 A, 5-10 Hz	
	100 - 500 Hz ≥ 10 A	
Capacitance Measurement		No
Jaw Open Size		1.45 inch
Warranty		1year
iFlex™		No



True-rms

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