Clamp Meter Selection Guide

Fluke Clamp Meters	Residential/Commercial Electrical			General Purpose					Industrial Electrical			HVAC/R	High-End Industrial, Utility		Leakage	Wireless	
	323	324	325	365	373	374 FC	375 FC	376 FC	377 FC	378 FC	381	902 FC	353	355	368 FC/369 FC	a3000 FC	a3001 FC
Measurements																	
AC current	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AC voltage	•	•	•	•	•	•	•	•	•	•	•	•		•			
Resistance	•	•	•	•	•	•	•	•	•	•	•	•		•			
Continuity	•	•	•	•	•	•	•	•	•	•	•	•		•			
DC volts	•	•	•	•	•	•	•	•	•	•	•	•		•			
DC current			•	•		•	•	•	•	•	•	•	•	•			
True-RMS	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Frequency			•				•	•	•	•	•		•	•			•
AC + DC voltage														•			
AC + DC current													•	•			
Min/Max/Avg			•			•	•	•	•	•	•	•	•	•			
4–20mA																	
Temperature		•	•									•					
Capacitance		•	•		•	•	•	•	•	•		•					
Measurement logging							•	•	•	•					•	•	•
Special Features																	
Inrush current mode						•	•	•	•	•	•		•	•		•	•
Low Pass filter for VFDs							•	•	•	•			•	•			
18-inch iFlex						Optional	Optional	Included	Included	Included	Included						Included
Wireless						•	•	•	•	•		•			•	•	•
FieldSense™									•	•							
PQ Indicator										•							
Display																	
Display hold	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	in phone app	in phone app
Backlight		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Specifications																	
Jaw opening	30 mm (1.18 in)	30 mm (1.18 in)	30 mm (1.18 in)	18 mm (0.7 in)	32 mm (1.26 in)	34 mm (1.33 in)	34 mm (1.33 in)	34 mm (1.33 in)	34 mm (1.33 in)	34 mm (1.33 in)	34 mm (1.33 in)	30 mm (1.2 in)	58 mm (2.3 in)	58 mm (2.3 in)	40 mm (1.5 in)/ 61 mm (2.4 in)	34 mm (1.33 in)	254 mm (10 in) coil
Max wire size	300 mm^2	300 mm^2	300 mm^2	17 mm (0.67 in)	400 mm^2	400 mm^2	400 mm^2	400 mm^2	400 mm^2	400 mm^2	400 mm^2	300 mm^2	400mm^2 or 3x 240 mm^2	400mm^2 or 3x 240 mm^2		400 mm^2	
Current range AC RMS	0 to 400.0 A	0 to 40.00 A/ 400.0 A	0 to 40.00 A/ 400.0 A	0 to 200.0 A	0 to 600.0 A	0 to 600.0 A (2500 A with iFlex)	0 to 600.0 A (2500 A with iFlex)	0 to 999.9 A (2500 A with iFlex)	0 to 999.9 A (2500 A with iFlex)	0 to 999.9 A (2500 A with iFlex)	0 to 999.9 A (2500 A with iFlex)	0 to 600.0 A	0 to 1400 A	0 to 1400 A	0 to 60 A	0 to 400A	0 to 2500A
Accuracy AC current (50/60 Hz)	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts	1% ± 5 counts	2% ± 5 counts	3% ± 5 counts
AC Response	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS	True-RMS
Current range DC			0 to 40.00 A/ 400.0 A	0 to 200 A		0 to 600.0 A	0 to 600.0 A	0 to 999.9 A	0 to 999.9 A	0 to 999.9 A	0 to 999.9 A	0 to 200 µA	0 to 2000 A	0 to 2000 A			
Accuracy DC current			2% ± 5 counts	2% ± 5 counts		2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	1% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts			
Voltage range AC	0 to 600.0 V	0 to 600.0 V	0 to 600.0 V	0 to 600.0 V	0 to 600.0 V	0 to 1000 V	0 to 1000 V	0 to 1000 V	0 to 1000 V	0 to 1000 V	0 to 1000 V	600.0 V		0 to 600.0 V			
Accuracy AC voltage	1.5% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts	2% ± 5 counts	1% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts	1% ± 5 counts		1% ± 5 counts			
Voltage range DC	0 to 600.0 V	0 to 600.0 V	0 to 600.0 V	0 to 600.0 V	0 to 600.0 V	0 to 1000 V	0 to 1000 V	0 to 1000 V	0 to 1000 V	0 to 1000 V	0 to 1000 V	0 to 600.0 V		0 to 1000 V			
Accuracy DC voltage	1.0% ± 5 counts	1.0% ± 5 counts	1.0% ± 5 counts	2% ± 5 counts	1% ± 5 counts	1% ± 5 counts	1% ± 5 counts	1% ± 5 counts	1% ± 5 counts	1% ± 5 counts	1% ± 5 counts	1% ± 5 counts		1% ± 5 counts			
Resistance range	0 to 4000 Ω	0 to 4000 Ω	0 to 40 kΩ	0 to 6000 Ω	0 to 6000 Ω	0 to 6000 Ω	0 to 6000 Ω	0 to 60 kΩ	0 to 6000 Ω	0 to 6000 Ω	0 to 60 kΩ	0 to 9999 Ω		0 to 400 kΩ			
Frequency measurement range			5 Hz to 500 Hz				500 Hz	500 Hz	500 Hz	500 Hz	500 Hz		5 to 1000 Hz	5 to 1000 Hz	40 to 1000 Hz		
Warranty and Safety																	
Warranty (years)	2	2	2	3	3	3	3	3	3	3	3	3	3	3	1	3	3
Safety rating (EN 61010)	CAT IV 300 V, CAT III 600 V	CAT IV 300 V, CAT III 600 V	CAT IV 300 V, CAT III 600 V	CAT III 600 V	CAT III 600 V, CAT IV 300 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 600 V	CAT III 600 V	CAT III 1000 V CAT IV 600 V
Fluke Connect																	
Compatible with Fluke Connect® App						•	•	•	•	•		•			•	•	•