

CLAMP METER SELECTION GUIDE



Models	Residential/commercial electrical			General purpose		Industrial electrical			HVAC/R
	323	324	325	374 FC	375 FC	365	376 FC	381	902 FC
Measurements									
AC current	•	•	•	•	•	•	•	•	•
AC volts	•	•	•	•	•	•	•	•	•
Resistance	•	•	•	•	•	•	•	•	•
Continuity	•	•	•	•	•	•	•	•	•
DC volts	•	•	•	•	•	•	•	•	•
DC current		•	•	•	•	•	•	•	•
True-rms	•	•	•	•	•	•	•	•	•
Frequency			•		•		•		
AC + DC voltage									
AC + DC current									
Min/max/avg				•	•		•		•
Temperature		•	•						•
Capacitance		•	•	•	•		•		•
Special features									
Fluke Connect™ enabled				•	•		•	•	•
Inrush current mode				•	•		•	•	
Low-pass filter							•	•	
Harmonics, power, data logging									
18" iFlex Flexible Current Probe				Optional	Optional		Included	Included	
10" iFlex Flexible Current Probe				Optional	Optional		Optional	Optional	
Remote display						Detachable with cable		Detachable magnetic	
Flashlight/torch						•			
Display									
Display hold	•	•	•	•	•	•	•	•	•
Backlight		•	•	•	•	•	•	•	•
Specifications									
Jaw opening	30 mm (1.18")	30 mm (1.18")	30 mm (1.18")	34 mm (1.33")	34 mm (1.33")	18 mm (.7")	34 mm (1.33")	34 mm (1.33")	30.5 mm (1.33")
Current range ac rms	0 to 400.0 A	0 to 400.0 A	0 to 400.0 A	0 to 600.0 A	0 to 600.0 A	0 to 200.0 A	0 to 999.9 A	0 to 999.9 A	0 to 600.0 A
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
AC response	True-rms	True-rms	True-rms	True-rms	True-rms	True-rms	True-rms	True-rms	True-rms
Current range dc		0 to 400.0 A	0 to 400.0 A	0 to 600.0 A	0 to 600.0 A	0 to 200.0 A	0 to 999.9 A	0 to 999.9 A	0 to 200 µA
Accuracy dc current		2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	1 % ± 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 1000 V	600.0 V	0 to 1000 V	0 to 1000 V	0 to 1000 V
Accuracy ac voltage	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 % ± 5 counts	1.5 % ± 5 counts	1.5 % ± 5 counts
Voltage range dc	0 to 600.0 V	0 to 600.0 V	0 to 600.0 V	0 to 1000 V	0 to 1000 V	600.0 V	0 to 1000 V	0 to 1000 V	0 to 600.0 V
Accuracy dc voltage	1 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts	1.5 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts
Resistance range	0 to 4000 Ω	0 to 4000 Ω	0 to 40.00 kΩ	0 to 6000 Ω	0 to 60 kΩ	0 to 6000 Ω	0 to 60 kΩ	0 to 60 kΩ	0 to 60 kΩ
Frequency measurement range			500 Hz		500 Hz		500 Hz	500 Hz	
Unit power									
Auto off	•	•	•	•	•	•	•	•	•
Warranty and safety									
Warranty (years)	2	2	2	3	3	3	3	3	3
Category ratings (EN61010-1)	CAT III 600 V, CAT IV 300 V	CAT III 600 V, CAT IV 300 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 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 600 V, CAT IV 300 V



Models	High-end industrial/utility			iFlex accessory*	Leakage		Process industries		
	345	353	355	i2500-10/ i2500-18	368 FC	369 FC	771	772	773
Measurements									
AC current	•	•	•	•	•	•			
AC volts	•		•						
Resistance			•						
Continuity			•						
DC volts	•		•						•
DC current	•	•	•				•	•	•
True-rms	•	•	•	•		•			
Frequency	•	•	•	•					
AC + DC voltage			•						
AC + DC current		•	•						
Min/max/avg		•	•	•	•	•			
Temperature									
Capacitance									
Special features									
Fluke Connect™ enabled					•	•			
Inrush current mode	•	•	•	•					
Low-pass filter		•	•						
Harmonics, power, data logging	•								
18" iFlex Flexible Current Probe									
10" iFlex Flexible Current Probe									
Remote display							Detachable with cable	Detachable with cable	Detachable with cable
Flashlight/torch						•	•	•	•
Display									
Display hold		•	•		•	•	•	•	•
Backlight	•	•	•		•	•	•	•	•
Specifications									
Jaw opening	60 mm (2.36")	58 mm (2.28")	58 mm (2.28")	7.5 mm (.29") coil	40 mm (1.57")	61 mm (2.40")	4.5 mm (.17")	4.5 mm (.17")	4.5 mm (.17")
Current range ac rms	0 to 1400	0 to 1400 A	0 to 1400 A	0 to 2500 A	0 to 60 A	0 to 60 A			
Accuracy ac current (50/60 Hz)	3 % ± 5 counts	1.5 % ± 5 counts	1.5 % ± 5 counts	3 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts			
AC response	True-rms	True-rms	True-rms	True-rms	True-rms	True-rms			
Current range dc	0 to 2000	0 to 2000 A	0 to 2000 A				0 to 99.9 mA	0 to 99.9 mA	0 to 99.9 mA
Accuracy dc current	1.5 % ± 5 counts	1.5 % ± 5 counts	1.5 % ± 5 counts				0.2 % ± 5 counts	0.2 % ± 5 counts	0.2 % ± 5 counts
Voltage range ac	0 to 825 V		0 to 600.0 V						
Accuracy ac voltage	3 % ± 5 counts		1 % ± 5 counts						
Voltage range dc	0 to 825 V		0 to 1000 V				0 to 1000 V		30 V
Accuracy dc voltage	1 % ± 5 counts		1 % ± 5 counts				1 % ± 5 counts		0.2 % ± 5 counts
Resistance range			0 to 400 kΩ				0 to 60 kΩ		
Frequency measurement range	15 Hz to 1 kHz	5 to 1000 Hz	5 to 1000 Hz	500 Hz			500 Hz		
Unit power									
Auto off		•	•		•	•	•	•	•
Warranty and safety									
Warranty (years)		3	3	3	1	1	3	3	3
Category ratings (EN61010-1)	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 600 V	CAT II 300 V	CAT II 300 V	CAT II 300 V

* Clamp not included

CLAMP METERS