











Meters designed for the way you work



	Residential/commercial electrical			General purpose		Industrial electrical				
										
	323	324	325	374 FC	375 FC	365	376 FC	377 FC	378 FC	381
Ideal for	Medium duty use in residential and commercial applications. Simple operation. Basic measurement functions			General purpose use in a wide range of settings. Transmit and store readings to a smartphone and the cloud using Fluke Connect™.		Use in cramped work areas where the detachable, tethered jaw can access cables. Well suited for automotive repair.	General purpose use in a wide range of settings. Transmit and store readings to a smartphone and the cloud using Fluke Connect.	Measure voltage and current through the clamp jaw with FieldSense™ technology. Transmit and store readings with Fluke Connect.	Measure voltage and current through the clamp jaw with FieldSense™ technology. Detect power quality issues for voltage, current and power factor. Transmit and store readings with Fluke Connect.	Monitor values on the detachable display with the clamp secured inside the cabinet. Versatile set of measurement functions for industrial use.

Measurements										
AC current		•	•	•	•	•	•	•	•	•
AC volts	•	•	•	•	•	•	•	•	•	•
Resistance	•	•	•	•	•	•	•	•	•	•
Continuity	•	•	•	•	•	•	•	•	•	•
DC Volts	•	•	•	•	•	•	•	•	•	•
DC current		•	•	•	•	•	•	•	•	•
True-rms	•	•	•	•	•	•	•	•	•	•
Frequency			•		•		•	•	•	
AC + DC voltage										
AC + DC current										
DC power										
Min/Max/Avg				•	•		•	•	•	
Temperature		•	•							
Capacitance		•	•	•	•		•	•	•	
Special features										
Non-contact voltage								•	•	
Phase-to-phase mode								•	•	
Phase rotation indicator								•	•	
Power quality mode									•	
Fluke Connect enabled				•	•		•	•	•	
Inrush current mode				•	•		•	•	•	•
Low pass filter							•	•	•	•
Visual continuity								•	•	
Audible/visual polarity										
Harmonics, power, data logging										
18" iFlex Flexible Current Probe				Optional	Optional		Included	Included	Included	Included
10" iFlex Flexible Current Probe				Optional	Optional		Optional	Optional	Optional	Optional
Thin jaw and IP 54 rating										
Remote display						Detachable with cable				
Flashlight/torch						•				

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Residential/commercial electrical	General purpose	Industrial electrical
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323

324

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374 FC

375 FC

365

376 FC

377 FC

378 FC

381

Display										
Display hold	•	•	•	•	•	•	•	•	•	•
Backlight		•	•	•	•	•	•	•	•	•
Specifications										
Jaw opening	30 mm	30 mm	30 mm	34 mm	34 mm	18 mm	34 mm	34 mm	34 mm	34 mm
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 999.9 A	0 to 999.9 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	2 % ± 5 counts
AC Response	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 400.0 A	0 to 400A	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 999.9 A	0 to 999.9 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	2 % ± 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	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 counts (test leads) 3% ± 5 counts (FieldSense)	1 % ± 5 counts (test leads) 3% ± 5 counts (FieldSense)	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 1000 V	0 to 1000 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	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	0 to 60 kΩ
Frequency measurement range			500 Hz		500 Hz		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	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 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V














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	Solar, high voltage dc	HVAC/R	High end industrial, utility			iFlex accessory ¹	Leakage		Process Industries		
											
	393 FC	902 FC	345	353	355	i2500-10/ i2500-18	368 FC	369 FC	771	772	773
Ideal for	High voltage dc applications including solar and wind power, dc railways, data center backup systems. Measure voltage and current at the same time; dc power measurements. Store, share readings via Fluke Connect.	HVAC applications where temperature and microamp measurements are common. Wide range of common measurement functions. Store, share readings via Fluke Connect.	Heavy industrial and utility applications requiring high-current measurements and a wide jaw opening.			High current measurements in cramped spaces. For use with digital multimeters and clamp meters accepting iFlex input.	Detecting, documenting, recording and comparing leakage current readings over time as a means of preventing unplanned downtime, and identifying intermittent GFCI and RCD trips, all without taking equipment off line.		Measuring 4–20 mA control signals without breaking the loop. Suited for maintaining and troubleshooting process control systems.		

Measurements											
AC current	•	•	•	•	•	•	•	•			
AC volts	•	•	•		•						
Resistance	•	•			•						
Continuity	•	•			•						
DC Volts	•	•	•		•						
DC current	•	•	•	•	•				•	•	
True-rms	•	•	•	•	•	•		•			
Frequency	•		•	•	•	•					
AC + DC voltage					•						
AC + DC current				•	•						
DC power	•										
Min/Max/Avg	•	•		•	•	•	•	•			
Temperature		•									
Capacitance	•	•									
Special features											
Non-contact voltage											
Phase-to-phase mode											
Phase rotation indicator											
Power quality mode											
Fluke Connect enabled	•	•					•	•			
Inrush current mode	•		•	•	•	•					
Low pass filter	•			•	•						
Visual continuity	•										
Audible/visual polarity	•										
Harmonics, power, data logging			•								
18" iFlex Flexible Current Probe	Included										
10" iFlex Flexible Current Probe	Optional										
Thin jaw and IP 54 rating	•										
Remote display											
Flashlight/torch							•	•	Detachable with cable	Detachable with cable	Detachable with cable

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	Solar, high voltage dc	HVAC/R	High end industrial, utility			iFlex accessory ¹	Leakage		Process Industries		
											
	393 FC	902 FC	345	353	355	i2500-10/ i2500-18	368 FC	369 FC	771	772	773
Display											
Display hold	•	•		•	•		•	•	•	•	•
Backlight	•	•	•	•	•		•	•	•	•	•
Specifications											
Jaw opening	34 mm	30.5 mm	60 mm	58 mm	58 mm	7.5 mm coil	40 mm	61 mm	4.5 mm	4.5 mm	4.5 mm
Current range ac rms	0 to 999.9 A	0 to 600.0 A	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)	2 % ± 5 counts	2 % ± 5 counts	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	True-rms	True-rms			
Current range dc	0 to 999.9 A	0 to 200 µA	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	2 % ± 5 counts	1 % ± 5 counts	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 1000 V	600.0 V	0 to 825 V		0 to 600.0 V						
Accuracy ac voltage	1 % ± 5 counts	1.5 % ± 5 counts	3 % ± 5 counts		1 % ± 5 counts						
Voltage range dc	0 to 1500 V	0 to 600.0 V	0 to 825 V		0 to 1000 V						30 V
Accuracy dc voltage	1 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts		1 % ± 5 counts						0.2 % ± 2 counts
Resistance range	0 to 60 kΩ	0 to 60 kΩ			0 to 400 kΩ						
Frequency measurement range	500 Hz		15 Hz to 1 kHz	5 to 1000 Hz	5 to 1000 Hz	500 Hz					
Unit power											
Auto off	•	•		•	•		•	•	•	•	•
Warranty and safety											
Warranty (years)	3	3	3	3	3	3	1	1	3	3	3
Category ratings (EN61010-1)	CAT III 1500 V dc, CAT III 1000 V ac, CAT IV 600 V	CAT III 600 V, CAT IV 300 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 600 V	CAT II 300 V	CAT II 300 V	CAT II 300 V



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