

Clamp meter selection guide

	Residential/commercial electrical			General purpose		
	323	324	325	365	373	374 FC
Measurements						
AC current	•	•	•	•	•	•
AC voltage	•	•	•	•	•	•
Resistance	•	•	•	•	•	•
Continuity	•	•	•	•	•	•
DC volts	•	•	•	•	•	•
DC current			•	•		•
True-rms	•	•	•	•	•	•
Frequency			•			
AC + DC voltage						
AC + DC current						
Min/Max/Avg			•			•
4-20 mA (0.01 mA resolution)						
Temperature		•	•			
Capacitance		•	•		•	•
Measurement logging						
Special features						
Inrush current mode						•
Low Pass filter for VFD's						
Harmonics, power, data logging						
18-inch (45.7 cm) iFlex Flexible Current Probe						Optional
10-inch (25.4 cm) iFlex Flexible Current Probe						Optional
Remote display						in phone app
Wireless						•
Display						
Display hold	•	•	•	•	•	•
Backlight		•	•	•	•	•
Graphing display						in phone app
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)
Max wire size	300 mm ²	300 mm ²	300 mm ²	17 mm (0.67 in)	400 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)
Accuracy ac current (50/60 Hz)	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
Current range dc			0 to 40.00 A/ 400.0 A	0 to 200 A		0 to 600.0 A
Accuracy dc current			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 600.0 V	0 to 1000 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
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
Accuracy dc voltage	1.0 % ± 5 counts	1.0 % ± 5 counts	1.0 % ± 5 counts	2 % ± 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
Frequency measurement range			5 Hz to 500 Hz			
Unit power						
Auto off	•	•	•		•	•
Warranty and safety						
Warranty (years)	2	2	2	3	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
Fluke Connect						
Compatible with Fluke Connect® app						•
Compatible with Fluke Connect® Assets software						•

CLAMP METERS



Fluke 370 Series Clamp Meters

Unprecedented measurement flexibility

The Fluke 370 FC Series clamp meters offer advanced troubleshooting performance plus Fluke Connect features to log and transmit data wirelessly.

Now you are able to log and trend measurements (the 376 FC and 375 FC have internal memory for up to 65,000 measurements), capture measurements outside the arclash zone with Bluetooth® connectivity to your Apple® or Android® devices, transmit results wirelessly via the Fluke Connect Measurements app, and create and send reports right from the field.

The Fluke 370 FC Series Clamp Meters have a large backlit display, true-rms standard, CAT IV safety rating and a durably constructed body. Additionally, the 376 FC, 375 FC and 374 FC are compatible with the iFlex® Flexible Current Probe that measure up to 2500a ac.



Ordering information

Models	Included accessories
FLUKE-373 True-rms Wireless AC Clamp Meter	Test leads, soft carrying case, instruction card, safety information sheet, two AA alkaline batteries.
FLUKE-374 FC True-rms Wireless AC/DC Clamp Meter	Test leads, soft carrying case, instruction card, safety information sheet, two AA alkaline batteries.
FLUKE-375 FC True-rms Wireless AC/DC Clamp Meter	Test leads, soft carrying case, instruction card, safety information sheet, two AA alkaline batteries.
FLUKE-376 FC True-rms Wireless AC/DC Clamp Meter with iFlex	18-inch (45.7 cm) iFlex flexible current probe, test leads, TPAK magnetic hanging strap, soft carrying case, instruction card, safety information sheet, two AA alkaline batteries.

Find how-to videos, application notes, and other useful resources on the clamp meter product pages on www.fluke.com

Fluke 320 Series True-rms Clamp Meters

Go to work with the best

The small and rugged 320 Series True-rms Clamp Meters are the best general troubleshooting tools for commercial and residential electricians and are designed to verify the presence of load current, ac voltage and continuity of circuits, switches, fuses and contacts. The Fluke 325 also offers dc current and frequency measurements.

- 400 A ac current measurement (ac and dc current; 325 only) and 600 V ac and dc voltage measurement
- Resistance measurement to up to 40 kΩ (325) and 4 kΩ (323 and 324) with continuity
- CAT IV 300 V/CAT III 600 V safety rating

Ordering information

Models	Included accessories
FLUKE-325 True-rms Clamp Meter	Test leads, temperature probe, soft case and users manual
FLUKE-324 True-rms Clamp Meter	Test leads, temperature probe, soft case and users manual
FLUKE-323 True-rms Clamp Meter	Test leads, soft case and users manual

Recommended accessories

Fluke 370 Series	Fluke 370 Series	Fluke 320 Series	Fluke 320 Series
i2500-10 10 inch (25.4 cm) iFlex® Flexible Current Probe	C43 Small Soft Case	TL175 TwistGuard™ Test Leads	L210 Probe Light and Extender



Fluke 381 Remote Display True-rms AC/DC Clamp Meter with iFlex®

The world's most advanced clamp meter

The Fluke 381 Clamp Meter combines iFlex® flexibility with remote reading capability for the ultimate in innovation and safety. The remote display reads measurements up to 9 m (30 feet) away and the included iFlex Flexible current probe (18-inch/45.7 cm circumference) lets you easily get into tight spaces.

- 2500 A ac current measurement with iFlex
- 1000 A ac and dc current measurement with fixed jaw
- 1000 V ac and dc voltage measurement
- Frequency measurement to 500 Hz
- 60 kΩ resistance measurement
- Min/Max/Avg and inrush recording
- CAT IV 600 V, CAT III 1000 V
- Three-year warranty



Ordering information

Models	Included accessories
FLUKE-381 Remote Display True-rms AC/DC Clamp Meter with iFlex	18-inch (45.7 cm) iFlex Flexible Current Probe, test leads, soft carrying case, instruction card, safety information sheet, five AA alkaline batteries

Fluke 365 Detachable Jaw True-rms AC/DC Clamp Meter

Where rugged meets reliable

The Fluke 365 Clamp Meter offers a small, detachable jaw—with 1.2 m of coil—that makes it easy to take and read measurements in tight or hard-to-reach places.

- 200 A ac and dc current measurement
- 600 V ac and dc voltage measurement
- 6000 Ω resistance measurement
- Built-in flashlight
- Large, easy-to-read backlight display
- Three-year warranty



Ordering information

Models	Included accessories
FLUKE-365 Detachable Jaw True-rms AC/DC Clamp Meter	Test leads, soft carrying case, instruction card, safety information sheet, five AA alkaline batteries

Recommended accessories

Fluke 381	Fluke 381	Fluke 365	Fluke 365
AC285 SureGrip™ Alligator Clips	TLK289 Industrial Master Test Lead Set	TL220 SureGrip™ Industrial Test Lead Set	FTPL-1 SureGrip™ Fused Test Probe and Lead Set



CLAMP METERS



Fluke 902 FC True-rms Wireless HVAC Clamp Meter



Helps HVAC pros keep up with the demands of their job

HVAC technicians require a service tool they can depend on to consistently meet the expectations of their job. The Fluke 902 FC expands the existing line of quality Fluke clamp meters by delivering the features necessary to diagnose and repair HVAC systems. Combined with Fluke Connect®, the Fluke 902 FC helps technicians do their jobs safely and accurately.

- Capture and trend measurements safely from outside the arc blast zone and easily create and send reports from the field with Fluke Connect®
- Designed for HVAC applications with capacitance, dc current (µA) and temperature measurements
- Small body and jaws fit perfectly in your hand and into tight places
- True-rms voltage and current for accurate measurements of non-linear signals
- Three-year warranty

Ordering information

Models	Included accessories
FLUKE-902 FC True-rms Wireless HVAC Clamp Meter	Test leads, temperature probe, soft carrying case, users manual, two AA alkaline batteries



Fluke 368 FC/369 FC AC True-rms Leakage Current Clamp Meter

Reduce downtime – Test leakage currents without taking equipment offline

The Fluke 368/369 Series of true-rms leakage current clamp meters help users detect, document, record and compare 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.

Current measurement

- Automatic ranging within the manually selected mA or A range
- Ranges 3/30 mA and 30/60 A
- Current resolution 1 µA/0.01 mA and 0.01 A/0.1 A
- Selectable filter 40 Hz to 70 Hz or wideband 40 Hz to 1 kHz
- Frequency range 40 Hz to 1 kHz
- Jaw size: 40 mm (1.55 in) on 368 FC and 61 mm (2.4 in) on 369 FC diameter
- Auto power off
- Torch light
- Logging
- Fluke Connect compatible



Ordering information

Models	Included accessories
FLUKE-368 FC AC Leakage Current Clamp Meter	Soft carrying case, users manual
FLUKE-369 FC AC Leakage Current Clamp Meter	Soft carrying case, users manual

Recommended accessories

Fluke 902	Fluke 902	Fluke 902	Fluke 902
AC220 SureGrip™ Alligator Clips	AC175 Alligator Clip Set	TL224 SureGrip™ Insulated Test Leads	C33 Soft Carrying Case



Wireless Fluke Connect® Current Meters

Take three-phase measurements in one-third of the time

Testing 3-phase is now faster and cheaper. When your cabinet is de-energized, attach the 3000 FC Wireless Current Clamp to each phase. You can solve problems faster by seeing live measurements from multiple test points on a single screen. Then, send data to your laptop and go from logging to analysis and diagnosis using the Fluke Connect® app or Fluke Connect® Assets software.

Fluke a3000 FC Wireless AC Current Clamp Meter

A fully functional true-rms current clamp meter that wirelessly relays measurements to other Fluke Connect® enabled master units.

- Measure up to 400 A ac

Fluke a3001 FC Wireless iFlex AC Current Meter

A true-rms flexible current meter that wirelessly relays measurements to other Fluke Connect enabled master units.

- Record over time to monitor circuit load changes for an hour, a shift or a week
- Measure up to 2500 A ac

Fluke a3002 FC Wireless AC/DC Current Meter Module

- Measure up to 400 A ac or 400 A dc with i410 (sold separately)
- Measure up to 600 A ac or 1000 A dc with i1010 (sold separately)
- Use as a standalone meter or as part of the system

Fluke a3003 FC Wireless 2000 A DC Current Clamp Meter

- Measure up to 2000 A DC
- Large jaw size (64 mm) for measuring large, high current conductors
- Use the logging function for the recording and saving up to 65,000 readings

Fluke a3004 FC Wireless 4-20 mA DC Current Meter

- Measure 4 to 20 mA signals without “breaking the loop”
- Detachable clamp with extension cable for measurements in tight locations
- Use the logging function for the recording and saving up to 65,000 readings

Ordering information

Models	Included accessories
FLK-a3000 FC Wireless AC Current Clamp Meter	Information pack
FLK-a3001 FC Wireless iFlex AC Current Meter	iFlex current probe, information pack, magnetic hanger
FLK-a3002 FC Wireless AC/DC Current Meter Module	Information pack, magnetic hanger
FLK-a3003 FC Wireless 2000 A DC Current Clamp Meter	2000 A DC Clamp, information pack, magnetic hanger
FLK-a3004 FC Wireless 4-20 mA DC Current Meter	4-20 mA DC current probe, information pack, hanging strap



Fluke a3003 FC Wireless 2000 A DC Current Clamp Meter



Fluke a3004 FC Wireless 4-20 mA DC Current Meter

CLAMP METERS



Fluke 353 and 355 AC/DC True-rms Clamp Meters

Versatile, professional, accurate

Confidently take reliable readings with the true-rms Fluke 355 and 353 Clamp Meters—the tools of choice for high current clamp-on amp meter measurements up to 2000 A.

- Reliably handle a wide range of high-current applications with 2000 A ac + dc true-rms, 1400 A ac, and 2000 A dc
- High voltage measurement of 1000 V ac + dc true-rms, 600 V ac, and 1000 V dc (355 only)
- Resistance to 400 k Ω (355 only)
- Continuity beeper (355 only)
- Frequency measurement to 1 kHz
- Selectable low-pass filter mode
- Min/Max/Avg

Ordering information

Models	Included accessories
FLUKE-355 AC/DC True-rms Clamp Meter	Soft carrying case, users manual
FLUKE-353 AC/DC True-rms Clamp Meter	Soft carrying case, users manual

Recommended accessories

<p>Fluke 350 Series</p>  <p>TL175 TwistGuard™ Test Leads</p>	<p>Fluke 350 Series</p>  <p>80TK Thermocouple Module</p>	<p>Fluke 350 Series</p>  <p>C345 Large Soft Case</p>	<p>Fluke 350 Series</p>  <p>C1600 Gear Tool Box</p>
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Wireless Fluke Connect® Meters

Wirelessly relay measurements using Fluke Connect®

Eliminate data entry by wirelessly syncing measurements from your tool.

v3000 FC Wireless AC Voltage Meter (not shown)

- Measure up to 1000 V true-rms AC
- Use as a standalone meter or as part of the system
- Logging function for recording and saving up to 65,000 readings

v3001 FC Wireless DC Voltage Meter

- Measure up to 1000 V DC
- Use as a standalone meter or as part of the system
- Logging function for recording and saving up to 65,000 readings

t3000 FC Wireless K-type Temperature Meter

- Use as a standalone meter (-200 °C to 1372 °C, 328 °F to 2501 °F) or as part of the system
- Logging function for recording and saving up to 65,000 readings

ir3000 FC Connector

- Supports 289 and 287 true-rms DMM; 189 DMM and 789 ProcessMeter™
- Fits over the IR port of your existing Fluke tools
- Enables you to graph, save, and share readings with your team from your smart phone

pc3000 FC Wireless PC Adapter

- Collects up to 65,000 sets of time stamped min/max/avg readings from FC remote modules
- Display up to six simultaneous live readings via included Windows sw3000 FC Software



Fluke t3000 FC Wireless K-type Temperature Meter



Fluke v3001 FC Wireless DC Voltage Meter

Ordering information

Models	Included accessories
FLK-a3000 FC Wireless AC Current Clamp Meter	Test leads, information pack, and alligator clips
FLK-a3001 FC Wireless iFlex® AC Current Meter	iFlex current probe, information pack, and magnetic hanger
FLK-a3002 FC Wireless AC/DC Current Meter	Magnetic hanger and information pack
FLK-a3003 FC Wireless 2000 A DC Current Clamp Meter	2000 A DC Clamp, information pack, and magnetic hanger
FLK-a3004 FC Wireless 4-20 mA DC Current Meter	4-20 mA DC current probe, information pack, and hanging strap
FLK-v3000 FC Wireless AC Voltage Meter	Test leads, alligator clips, magnetic hanger, and information pack
FLK-v3001 FC Wireless DC Voltage Meter	Test leads, alligator clips, magnetic hanger, and information pack
FLK-t3000 FC Wireless K-type Temperature Meter	Temperature probe, magnetic hanger, and information pack
FLUKE-ir3000 FC Connector	Compatible with: Fluke 789, 289, 287, 189
FLK-PC3000 Wireless PC Adapter	



Fluke ir3000 FC Connector



Fluke Connect Wireless PC Adapter

The largest suite of connected test tools in the world

