

# Clamp Meters and Electrical Testers

The ergonomic clamp meters feature wide opening jaws for safe, fast non-contact current measurement. The Fluke leakage clamp meter is ideal for non-invasive checks of insulation resistance.

The range of electrical testers includes two-pole testers for taking quick measurements in tight spaces, phase rotation indicators to take the guess work out of checking phase/motor rotation, a multipurpose cable locator and handy voltage alerts.

The new Fluke iFlex flexible current probes expand the measurement range of select Fluke meters to 2500 A AC and allow technicians to reach crowded spaces.



# Clamps Selection Guide

	Residential/commercial electrical				General purpose				Industrial electrical	HVAC/R	High end industrial, utility		iFlex accessory	Fluke Connect™		Leakage
	323	324	325	365	373	374	375	376/381	902	353	355	i2500-10/ i2500-18	a3000FC	a3001FC <sup>1</sup>	a3002FC <sup>1</sup>	360
<b>Measurements</b>																
AC current	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AC volts	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Resistance	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Continuity	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DC Volts	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DC current	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
True-rms	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Frequency	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AC + DC voltage																
AC + DC current																
Min/Max/Avg	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Temperature	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Capacitance	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Special features</b>																
Inrush current mode																
Low Pass filter																
Harmonics, power, data logging																
18" iFlex Flexible Current Probe					Optional	Optional	Included									
10" iFlex Flexible Current Probe					Optional	Optional	Optional									
Remote display																
Flashlight/torch				●												
<b>Display</b>																
Display hold	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Backlight	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Specifications</b>																
Jaw opening	30 mm	30 mm	30 mm	18 mm	32 mm	34 mm	34 mm	34 mm	30.5 mm	58 mm	58 mm	7.5 mm coil	34 mm	254 mm	40 mm	
Current range ac rms	0 to 4000 A	0 to 4000 A	0 to 4000 A	0 to 2000 A	0 to 6000 A	0 to 6000 A	0 to 6000 A	0 to 999.9 A	0 to 6000 A	0 to 1400 A	0 to 1400 A	0 to 2500 A	0.5 to 400 A	0.5 to 2500 A	0 to 60 A	
Accuracy ac current (50/60 Hz)	2.00% ± 5 counts	1.50% ± 5 counts	2.00% ± 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	3 % ± 5 counts	2 % ± 5 counts	3 % ± 5 counts	AC: 1.0% ± 3 counts DC: 0.5% ± 3 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	
Current range dc	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 1000 V	0 to 200 µA	0 to 2000 A	0 to 2000 A	0 to 6000 A	0 to 1000 A	0 to 1000 A	Averaging	
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	± 5 counts	± 5 counts	± 5 counts	0.5 % ± 3 counts	
Voltage range ac	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 1000 V	0 to 1000 V	600.0 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 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 counts	1 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts		
Voltage range dc	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 6000 V	0 to 1000 V	0 to 1000 V	0 to 6000 V	0 to 1000 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	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	1 % ± 5 counts		
Resistance range	0 to 4000 Ω	0 to 4000 Ω	0 to 4000 Ω	0 to 6000 Ω	0 to 6000 Ω	0 to 6000 Ω	0 to 60 kΩ	0 to 9999 Ω	0 to 9999 Ω	0 to 400 kΩ	0 to 400 kΩ	0 to 400 kΩ	0 to 400 kΩ	0 to 400 kΩ		
Frequency measurement range	0 to 4000 Hz	0 to 4000 Hz	0 to 4000 Hz	0 to 6000 Hz	0 to 6000 Hz	0 to 6000 Hz	500 Hz	500 Hz	500 Hz	5 to 1000 Hz	5 to 1000 Hz	500 Hz	5 to 1000 Hz	5 to 1000 Hz		
<b>Unit power</b>																
Auto off	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Warranty and safety</b>																
Warranty (years)	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	1
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 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 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 1000 V, CAT IV 600 V	CAT III 300 V

<sup>1</sup> Clamp not included

# a3000FC / a3001FC / a3002FC FC Wireless Current Clamp and Modules



Fluke a3000 FC



## Fluke a3000FC Wireless AC Current Clamp Module

A fully functional True rms current clamp meter that wirelessly relays measurements to other Fluke Connect™ enabled master units.

### a3000FC main features include:

- Measure up to 400 A AC
- Logging function for recording and saving up to 65,000 readings
- Use as a standalone meter or as part of a system
- Inrush function

## Fluke a3001FC Wireless iFlex AC Current Module

A true-rms current clamp meter that wirelessly relays measurements to other Fluke Connect™ enabled masterunits. The iFlex™ Wireless Current Module allows you to measure around awkward sized conductors or get into tight spaces and makes wire access easier.

### a3001FC main features include:

- Measure up to 2500 A AC
- Logging function for recording and saving up to 65,000 readings
- Use as a standalone meter or as part of a system
- Inrush function



Fluke a3001 FC



## Fluke a3002FC Wireless AC/DC Current Module

Designed to be used with the i410 or i1010 AC/DC current clamps (not included with module). AC/DC current module that wirelessly relays measurements from the i410 or i1010 clamp accessory to other Fluke Connect™ enabled master units.

### a3002FC main features include:

- 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 a system
- Logging function for recording and saving up to 65,000 readings



Fluke a3002 FC



True RMS

## Specifications

Model / specification	a3000	a3001	a3002
Range	0.5 A to 400.0 A AC	0.5 A to 2500 A AC	600 A AC to 1000 A AC
Resolution	0.1 A		
Accuracy	400.0 A: 2% ± 5 digits (10 Hz to 100 Hz), 2.5% ± 5 digits (100 Hz to 500 Hz)	3% ± 5 digits (5 Hz to 500 Hz)	AC: 1.0% + 3 DC: 0.5% + 3 (45 Hz to 1000 Hz)
Inrush	Max displayed reading: 999.9A		
Crest Factor (50Hz/60Hz)	3 at 500 A, 2.5 at 600 A, 1.42 at 1000 A, add 2% for C.F. > 2	3.0 at 1100 A, 2.5 at 1400 A, 1.42 at 2500 A, add 2% for C.F. > 2	
Maximum voltage between terminal and earth ground (module)	n.a.	n.a.	30 V DC or AC rms
LCD w/backlight	3½ digits		
Log rate/interval	1 sec minimum/adjustable by PC or FC App		
Battery type/Battery life	2 AA, NEDA 15 A, IEC LR6 / 400 hours		
Memory	Record up to 65,000 readings		
RF communications / RF communication range	2.4 GHz ISM Band / Open air, unobstructed: Up to 20 m. Obstructed, sheetrock wall: Up to 6.5 m. Obstructed, concrete wall or steel electrical enclosure: Up to 3.5 m		
Operating and Storage temperature	-10 °C to +50 °C / -40 °C to +60 °C		
Temperature coefficient	Add 0.1 X (specified accuracy) / °C (<18 °C or >28 °C)		
Operating humidity	0% to 90% (0 °C to 35 °C), 0% to 75% (35 °C to 40 °C), 0% to 45% (40 °C to 50 °C)		
Altitude	Operating: 2,000 m Storage: 12,000 m		
EMC	EN 61326-1:2006		
Safety compliance	IEC 61010-1, 600 V CAT III, 3rd edition Pollution Degree 2	IEC 61010-1, 600 V CAT IV/1000 V CAT III, 3rd edition Pollution Degree 2	
Safety rating	CAT III 600 V	CAT IV 600 V, CAT III 1000 V	
Certifications	CSA, CE, FCC: T68-FBLE IC: 6627A-FBLE		
Ingress Protection (IP) rating	IP30	IP42	
Pollution Degree	2		
Jaw Opening	34 mm	25.4 cm coil	
Size (h x w x d)	20.3 cm x 7.49 cm x 3.55 cm	16.5 cm x 6.35 cm x 1.4 cm	16.0 cm x 6.6 cm x 3.8 cm
Weight	0.22 kg	0.22 kg	0.255 kg
Warranty (in years)	3		

### Included Accessories

iFlex i2500 Flexible Current Probe (a3001FC), magnetic hanging strap (a3002FC)

### Ordering Information

- Fluke a3000FC Wireless AC Current Clamp Module
- Fluke a3001FC Wireless iFlex AC Current Module
- Fluke a3002FC Wireless AC/DC Current Module

### Recommended Accessories

For more information on Fluke Connect, see pages 13-18.



i410/i1010 Current Clamp (for a3002FC) See page 151



PC adapter See page 155

# 320 Series True-rms Clamp Meters

FLUKE®



Fluke 325



Fluke 324



Fluke 323



## Work with the best

The Fluke 323, 324 and 325 Clamp Meters are designed to perform in the toughest environments and provide noise-free, reliable results users can trust to confidently diagnose problems. True-rms measurements and optimized ergonomics make the 320 Series Clamp Meters the best general troubleshooting tools for commercial and residential electricians.

- Slim, ergonomic design
- Large, easy to read backlight display (324 and 325 only)

- CAT IV 300 V/CAT III 600 V safety rating
- Hold button
- Two-year warranty
- Soft carrying case
- 400 A AC current measurement (AC and DC current; 325 only)
- 600 V AC and DC voltage measurement
- True-rms AC voltage and current for accurate measurements on non-linear signals
- Resistance measurement to up to 40 kΩ with continuity detection
- Temperature and capacitance measurement (324 and 325 only)
- Frequency measurement (325 only)

## Specifications

		323	324	325
AC current	Range	400.0 A	40.00 A / 400.0 A	40.00 A / 400.0 A
	Accuracy	2 % ± 5 digits (45 Hz to 65 Hz) 2.5 % ± 5 digits (65 Hz to 400 Hz)	1.5 % ± 5 digits (45 Hz to 400 Hz) Note: Add 2 % for position sensitivity	2 % ± 5 digits (45 Hz to 65 Hz) 2.5 % ± 5 digits (65 Hz to 400 Hz)
DC current	Range	-	-	40.00 A / 400.0 A
	Accuracy	-	-	2 % ± 5 digits
AC voltage	Range	600.0 V	600.0 V	600.0 V
	Accuracy	1.5% ± 5 digits	1.5% ± 5 digits	1.5% ± 5 digits
DC voltage	Range	600.0 V	600.0 V	600.0 V
	Accuracy	1.0 % ± 5 digits	1.0 % ± 5 digits	1.0 % ± 5 digits
Resistance	Range	400.0 Ω/4000 Ω	400.0 Ω/4000 Ω	400.0 Ω/4000 Ω/40.00 kΩ
	Accuracy	1 % ± 5 digits	1 % ± 5 digits	1 % ± 5 digits
Continuity		≤ 70 Ω	≤ 30 Ω	≤ 30 Ω
Capacitance		-	100.0 μF to 1000 μF	100.0 μF to 1000 μF
Frequency		-	-	5.0 Hz to 500.0 Hz
AC response		True-rms	True-rms	True-rms
Backlight		-	Yes	Yes
Data hold		Yes	Yes	Yes
Contact temperature		-	-10.0 °C to 400.0 °C	-10.0 °C to 400.0 °C
Min / Max		-	-	Yes
Max wire diameter		30 mm (600 MCM)	30 mm (600 MCM)	30 mm (600 MCM)
Category rating		CAT III 600 V CAT IV 300 V	CAT III 600 V CAT IV 300 V	CAT III 600 V CAT IV 300 V



Size (HxWxD): 207 mm x 75 mm x 34 mm

Weight: 323: 0,265 kg  
324: 0,280 kg  
325: 0,283 kg

Two Year Warranty

### Included Accessories

Test leads, soft case, users manual

### Ordering Information

Fluke 323 True-rms Clamp Meter  
Fluke 324 True-rms Clamp Meter  
Fluke 325 True-rms Clamp Meter

### Recommended Accessories



TL223-1  
See page 145

TL175  
See page 147



# 381 Remote Display True-rms AC/DC Clamp Meter with iFlex™

FLUKE®



True RMS



## All the bells and whistles

The Fluke 381 Clamp Meter combines iFlex flexibility with remote reading capability for the ultimate in innovation and safety.

- Remote display reads measurements up to 30 feet away
- iFlex flexible current probe included, 18-inch circumference
- 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 k $\Omega$  resistance measurement
- Min/Max/Avg and inrush recording
- CAT IV 600 V, CAT III 1000 V
- Three-year warranty

See specifications chart on page 34.

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



True RMS



## Where rugged meets reliable

The Fluke 365 Clamp Meter offers a small, detachable jaw—with four feet 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  $\Omega$  resistance measurement
- Built-in flashlight
- Large, easy-to-read backlight display
- Three-year warranty

See specifications chart on page 34.

### Included Accessories

18-inch iFlex™ Flexible Current Probe (Fluke 381), test leads, soft carrying case, instruction card, safety information sheet, two AA alkaline batteries.

### Ordering Information

Fluke 381 Remote Display True-rms AC/DC Clamp Meter with iFlex™  
Fluke 365 Detachable Jaw True-rms AC/DC Clamp Meter

### Recommended Accessories



TL223-1  
See page 145

TL175  
See page 147

# 370 Series Clamp Meters

## Be ready for anything

Our new family of true-rms clamp meters provides a range of state-of-the-art features to meet even the most demanding job requirements.

All four of the new clamp meters have improved base features such as a large, backlit display, true-rms standard, CAT IV

safety rating and a durably constructed body. Additionally, the 376, 375 and 374 are compatible with the iFlex flexible current probe (included with the 376, sold separately for the 375 and 374), and provide increased measurement readings to 1000 A and 1000 V AC and DC.

### Features

	373	374	375	376
True-rms	●	●	●	●
AC current	●	●	●	●
AC voltage	●	●	●	●
Resistance	●	●	●	●
Continuity	●	●	●	●
DC volts	●	●	●	●
DC current		●	●	●
Frequency			●	●
Low pass filter			●	●
Inrush current mode		●	●	●
18-inch iFlex Flexible Current Probe		Optional	Optional	Included
10-inch iFlex Flexible Current Probe		Optional	Optional	Optional

### Specifications

Functions	Range	373	374	375	376
Current AC	0 to 600.0 A	2% ± 5 counts	2% ± 5 counts	2% ± 5 counts	
	0 to 999.9 A				2% ± 5 counts
Current DC	0 to 600.0 A		2% ± 5 counts	2% ± 5 counts	
	0 to 999.9 A				2% ± 5 counts
Voltage AC	0 to 600.0 V	1% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts	1.5% ± 5 counts
Voltage DC	0 to 600.0 V	1% ± 5 counts	1% ± 5 counts	1% ± 5 counts	
	0 to 1000 V				1% ± 5 counts
Resistance range		0 to 6000 Ω	0 to 6000 Ω	0 to 6000 Ω	0 to 60 kΩ
Jaw opening		32 mm	34 mm	34 mm	34 mm
Max. wire size		750 MCM	750 MCM	750 MCM	750 MCM
Frequency measurement range				500 Hz	500 Hz



Fluke 376 (with i2500)



Fluke 375    Fluke 374    Fluke 373



Fluke i2500



True RMS

### Included Accessories

18-inch iFlex™ flexible current Probe (Fluke 376), test leads, soft carrying case, instruction card, safety information sheet, two AA alkaline batteries.

### Ordering Information

Fluke 376 True-rms AC/DC Clamp Meter with iFlex™  
 Fluke 375 True-rms AC/DC Clamp Meter  
 Fluke 374 True-rms AC/DC Clamp Meter  
 Fluke 373 True-rms AC Clamp Meter  
 i2500-10 iFlex™ Flexible Current Probe 25 cm  
 i2500-18 iFlex™ Flexible Current Probe 45 cm

## iFlex™ Flexible Current Probe

The Fluke iFlex flexible current probes expand the measurement range of select Fluke meters to 2500 A AC and allow technicians to reach crowded spaces.

- Expands the measurement range to 2500 A AC while providing increased display flexibility, ability to measure awkward sized conductors and improved wire access
- Compatible to Fluke 374, 375, 376 and 381
- CAT IV 600 V, CAT III 1000 V
- 7.5 mm coil diameter allows measurement in tight spaces
- Ergonomic design allows easy operation with one hand
- 1.8 m cable
- Three-year warranty

### Recommended Accessories



TL223-1  
See page 145



AC285  
See page 147



TL175  
See page 147

# 350 Series AC/DC Clamp Meters



Fluke 353



Fluke 355



## True-RMS, 2000 A Clamp Meters for industrial and utility applications

Confidently take reliable readings with the true-rms, Fluke 353/355 Clamp Meters; the tools of choice for high current measurement up to 2000 A. The extra-wide jaw easily clamps around large conductors, typically found in high current applications. The rugged design and CAT IV 600 V, CAT III 1000 V ratings add an extra element of protection when taking high-powered measurements.

Accurate peak measurements can be taken using the in-rush current mode - ideal for motors and inductive loads. The 355 also measures voltage and resistance, making this the most versatile tool for utilities, electrical contractors and industrial service technicians.

### Features

	353	355
True-RMS measurements	●	●
Display backlight	●	●
Motor start-up current	●	●
Min/Max/Average	●	●
Voltage AC/DC		●
Resistance measurement		●
Continuity measurement with beeper		●

### Specifications

(Check the Fluke web for detailed specifications)

Functions	Range	353	355
Current AC/DC	0-40.00 A	1.5% ± 15 counts	1.5% ± 15 counts
	0-400.0 A		
	0-2000 A; 1400 AC rms	1.5% ± 5 counts	1.5% ± 5 counts
Crest Factor		2.4	2.4
Voltage AC/DC	0-4.000 V		1% ± 10 counts
	0-40.00 V		
	0-400.0 V		
	0-600 V AC rms		1% ± 5 counts
	0-1000 V DC		
Resistance	0-400.0 Ω		
	0-4.000 kΩ		
	0-40.00 kΩ		1.5% ± 5 counts
	0-400.0 kΩ		
Continuity beeper	Appr. ≤ 30 Ω		
Frequency	5.0Hz to 100.0Hz		0.2% ± 2 counts
	100.1Hz to 999Hz		0.5% ± 5 counts

### Included Accessories

Fluke 353: C43 Soft Meter Case, 6 AA batteries, users manual

Fluke 355: C43 Soft Meter Case, 6 AA batteries, TL224 SureGrip® Silicone Test Lead Set, TP2 Slim Reach Test Probe Set (2 mm), AC285 SureGrip® Alligator Clip Set, users manual

### Ordering information

Fluke 353 AC/DC Clamp Meter  
 Fluke 355 AC/DC Clamp Meter

### Power Supply:

6 x 1.5V AA NEDA 15A or IEC LR6

### Battery Life:

100 hours (with typical usage, backlight off)

**Size (HxWxD):** 300 mm x 98 mm x 52 mm

**Jaw opening:** 58 mm

**Weight:** 0.814 kg

**Three year warranty**

### Recommended Accessories



TL223-1 (Fluke 355)  
See page 145



L215 (Fluke 355)  
See page 146

# 360 Leakage Clamp Meter



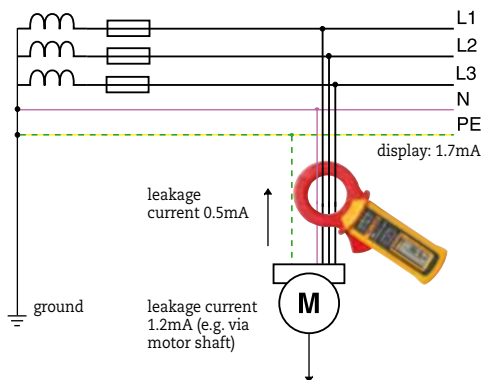
Fluke 360



## Leakage current measurements with a tough, pocket sized clamp meter

### Features

- Measurement of leakage protectives conductor and touch current with a resolution of 1µA
- Advanced shielding to ensure accurate results when measuring near other conductors
- Automatic ranging within the manually selected mA or A range
- Easily viewed measurements on digital and bargraph display and HOLD when measuring in hard to see locations
- Broad range of measurements currents up to 60 A for all installation needs
- Easy carrying, pocket sized clamp with wide 40 mm jaw size
- Display-Hold for convenience in use
- Auto power off with audible warning buzzer
- Conformance to IEC61010 and EMC standard
- Meets all the applications and performance classes in safety standard VDE0404-4 and the new VDE0702



### Specifications

(Check the Fluke web for detailed specifications)

Functions	Range	Resolution	Accuracy
Current AC	3mA	0.001A	1% ± 5 counts
	30mA	0.01mA	
Frequency	30A	0.01A	1% ± 5 counts (0-50A)
	60A	0.1A	5% ± 5 counts (50-60A)

# 902 True-rms HVAC Clamp Meter



Fluke 902



True RMS



## Just for our HVAC pros

HVAC (heating, ventilation, air conditioning) technicians require a service tool that can consistently keep up with their demands. The Fluke 902 expands the existing line of quality Fluke clamp meters by delivering the features necessary to diagnose and repair HVAC systems. Combined with true-rms technology and a CAT III 600 V rating, the Fluke 902 helps technicians do their jobs safely and accurately.

- 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
- Handy “Display Hold” button keeps measurements on the display
- Meter controls are positioned so current measurements can be done with one hand (index finger on clamp opening lever and thumb on rotary switch)
- Three-year warranty

See specifications chart on page 34

### Specifications

Functions	Range	902
Current AC	0 to 600.0 A	2% ± 5 counts
Current DC	0 to 200.0 µA	1% ± 5 counts
Voltage AC	0 to 600.0 V	1% ± 5 counts
Voltage DC	0 to 600.0 V	1% ± 5 counts
Resistance range		0 to 9999 Ω
Jaw opening		30.5 mm
Max. wire size		750 MCM

### Included accessories

Test leads, temperature probe (Fluke 902), soft carrying pouch and users manual

### Ordering information

Fluke 360 Leakage Clamp Meter  
Fluke 902 True-rms HVAC Clamp Meter



# T90/T110/T130/T150 Voltage and Continuity Testers

FLUKE®



Fluke T150

Fluke T130

Fluke T110



Fluke T90



Fluke T90



Fluke T110, T130, T150

## Included Accessories

Two 2-AA batteries and instruction sheet

## Ordering Information

Fluke T90 Voltage/Continuity Tester  
 Fluke T110 Voltage/Continuity Tester with switchable load  
 Fluke T130 Voltage/Continuity Tester with LCD, switchable load  
 Fluke T150 Voltage/Continuity Tester with LCD, Ohms, switchable load

## Rugged, high-quality testers for fast test results the way you need them

All electricians need a two-pole tester. Experienced professionals know that they can—and should—trust their job, their reputation and even their personal safety to Fluke electrical test tools. Our new family of Two-Pole Voltage Testers is no exception. Built with state-of-the-art measurement and safety technology, these testers offer everything you expect from Fluke, and a little bit more.

- Rugged, high-quality construction is built to last. This includes a heavy duty molded case, a thicker cord with wear indicator, sturdy battery case, and well fitting and durable probe protector.

- Fast test results the way you need them, with large, easy-to-use buttons, bright backlights, and clear audible and physical indicators designed for any work situation.
- Enhanced ergonomic design feels good in your hand, is easy to use (even with gloves on) and quick, secure probe docking.
- Compliant with regulation HSE GS 38 (tip caps) and IEC EN 61243-3: 2010

## Features

	T90	T110	T130	T150
Backlit LED indicator	●	●	●	●
Backlit LCD Digital Display			LCD	LCD
Continuity test – visual results	●	●	●	●
Continuity test – audible results	●	with on/off	with on/off	with on/off
Vibratory indicator under load		with on/off	with on/off	with on/off
Display Hold				
Voltage test	●	●	●	●
Indication of polarity	●	●	●	●
Resistance measurement				●
Switchable Load		●	●	●
Single pole test for phase detection	●	●	●	●
Rotary field indicator		●	●	●
Probe tip protection	●	●	●	●
Voltage display with discharged batteries	●	●	●	●
Electrical torch function		●	●	●
Wear indicator test lead wire	●	●	●	●

## Specifications

	T90	T110	T130	T150
Voltage AC/DC	12V - 690V	12V - 690V	6V - 690V	6V - 690V
Continuity	0 - 400 kΩ			
Frequency	0 - 60 Hz	0 - 400 Hz		
Phase rotation	-	100V - 690V		
Resistance measurement	-	-	-	Up to 1999 Ω
Response Time (LED ladders)	< 0.1 s			
200 kΩ input impedance	Current draw 3,5 mA @ 690 V Current draw 1,15 mA @ 230 V			
7k Ω input impedance (with load buttons pressed)	Current draw 30 mA @ 230 V			
Safety rating	CAT II 690V CAT III 600V	CAT III 690V CAT IV 600V		
IP rating	IP54	IP64	IP64	IP64

**Size T90 (HxWxD):**  
230 mm x 65 mm x 38 mm  
**Size T110, T130, T150 (HxWxD):**  
26 mm x 70 mm x 38 mm

**Weight T90:** 0.18 kg  
**Weight T110, T130, T150:** 0.28 kg  
**Two year warranty**

## Recommended Accessories



H15  
See page 153



C150  
See page 152

# T5 Electrical Testers



Fluke T5-1000

Fluke T5-600



Fluke T5-H5-1AC Kit

Fluke T5-600/62 MAX+/1AC-E Kit

## The fast and easy solution to basic electrical testing

The Fluke T5 testers let you check voltage, continuity and current with one compact tool. Select volts, ohms or current and the instrument does the rest. Model T5-600 measures 600 volts AC/DC, model T5-1000 is designed for

1000 volts. OpenJaw™ current technology lets you check current up to 100 A, without breaking the circuit. The optional H5 holster keeps the test probes and leads ready to test and lets you clip the T5 onto your belt.

## Features and Specifications

	T5-600	T5-1000
Display Count	1000	1000
Automatic Selection	●	●
Continuity and Bleeper	●	●
Sleep Mode	●	●
AC Voltage	600 V	1000 V
DC Voltage	600 V	1000 V
AC Current	100 A	100 A
Resistance	1000 Ω	1000 Ω
Safety range	600V CAT III	1000 V CAT III / 600 V CAT IV

**Battery life:** 400 hours  
**Size (HxWxD):**  
 203 mm x 51 mm x 30.5 mm

**Weight:** 0.38 kg  
**Two year warranty**

### Fluke T5-H5-1AC Kit

The ideal kit for busy electrical contractors and electricians. The benefits of a voltage and current meter and non-contact voltage detector all in one kit. A holster for the T5 is also included.

- Kit includes:
- Fluke T5-1000
  - H5 holster
  - Free Fluke 1AC-II

### Fluke T5-600/62 MAX+/1AC-E Kit

This kit is designed to help electricians and HVAC technicians solve problems quicker. Test first for overheated electrical devices using an IR thermometer; then use electrical test tools to find out more about the problem.

- Kit includes:
- Fluke T5-600
  - Fluke 62 MAX+
  - Fluke 1AC II
  - C115

### Included Accessories

Detachable probes and instruction sheet

### Ordering Information

Fluke T5-600	Electrical Tester
Fluke T5-1000	Electrical Tester
Fluke T5-H5-1AC Kit	Electrical Tester with holster and IAC
Fluke T5-600/62 MAX+/1AC-E	Electrical Tester, IR Thermometer, Voltage Detector Kit

## Recommended Accessories



H5  
See page 153



ACC-T5-Kit  
See page 146



AC285  
See page 147

# 1AC II/2AC Volt Alerts LVD1/LVD2 Volt Lights



Fluke 1AC II



## Fluke 1AC II VoltAlert™

The Fluke VoltAlert AC voltage detector is very easy to use – just touch the tip to a terminal strip, outlet or cord. When the tip glows red and the unit beeps, you know there is voltage on the line.

- It continually tests its battery and its circuit integrity with a periodic double flash visual indication.
- Highest safety rating: CAT IV 1000 V
- Detects voltage without metallic contact



**Operating range:** 200 – 1000 V AC  
**Batteries:** Two AAA Alkaline  
**Size (H):** 148 mm  
**Two Year Warranty**

### Fluke 1AC II VoltAlert™ 5-pack

- Buy 4 get 1 FREE



Fluke 2AC VoltAlert™



## 2AC VoltAlert™

2AC is the latest addition to the VoltAlert™ AC non-contact voltage tester family from Fluke and is designed to be pocket-sized and easy to use. The 2AC tests for energized circuits and defective grounds, whether it's for an electrician on the factory floor or the do-it-yourselfer around the house. The tip of the pocket-sized tester will glow red when within close proximity of an outlet, terminal strip, or power cord where voltage is present.

- Voltage detection from 200 to 1000 V AC, suitable for a wide range of residential, commercial and industrial needs.
- NEW! Always on, using special low power circuitry to sustain battery life and ensure your 2AC is always ready.
- NEW! Innovative 'Battery Check' button function ensures battery is in good condition\*
- Category IV – 1000 V overvoltage rated product for best in class user protection
- Integrated clip design, optimized for pocket storage
- Powered by 2x AAA batteries (included)
- Fluke ruggedness and reliability
- Two-year warranty storage.
- Powered by 2x AAA batteries (included)- Fluke reliability and ruggedness, Two-year warranty.



**Operating range:** 200 – 1000 V AC  
**Batteries:** Two AAA Alkaline  
**Size (H):** 148 mm  
**Two Year Warranty**

### Fluke 2AC VoltAlert™ 5-pack

- Buy 4 get 1 FREE



LVD2



## LVD2 Volt Light

Combines bright light and voltage detection in one pen style design

- Dual sensitivity
- Detects voltage from 90 V to 600 V AC
- Blue light means you're close
- Red light means you're at the source
- Rated to CAT IV 600 V



LVD1












## LVD1 Volt Light

Dual sensitivity voltage detector

- Detects voltage from 40 V to 300 V AC
- Blue light means you're close
- Red light means you're at the source
- Comes with a versatile clip to secure light to pocket, hat or even panel door

### Ordering Information

Fluke 1AC II	Volt Alert
Fluke 1AC II	Volt Alert (5-pack)
Fluke 2AC	Volt Alert
Fluke 2AC	Volt Alert (5-pack)
LVD2	Volt Light
LVD1	Volt Light

			
	2AC 200-1000 V AC CAT IV 1000 V	1AC-II 200-1000 V AC CAT IV 1000 V	LVD2 90-600 V AC CAT IV 600 V
 Voltage Detection	■	■	■
 Battery Included	■	■	■
 Battery Check	■		
 On/Off Button		■	■
 Voltbeat™		■	
 Audible/Silent		■	
 Dual Sensitivity			■
 LED Flashlight			■

# 9040/9062 Phase Rotation Indicators

FLUKE®



Fluke 9040

Fluke 9062

## Take the guess work out of phase/motor rotation measurements

### Fluke 9040

The Fluke 9040 is effective for measuring phase rotation in all areas where three-phase supplies are used to feed motors, drives and electrical systems. The Fluke 9040 is a rotary field indicator and can provide clear indication of the 3 phase via an LCD display and the phase rotation direction to determine correct connections. It allows rapid determination of phase sequence and has a voltage (up to 700 V) and frequency range suitable for commercial and industrial applications. Test probes supplied with the instrument have a variable clamping range for safe contact, especially in industrial sockets.

### Fluke 9062

The unique Fluke 9062 provides rotary field and motor rotation indication with the benefits of contact-less detection. Purpose made for commercial and industrial environments, the Fluke 9062 provides rapid indication of 3 phase rotation using test leads supplied or can be used to determine motor rotation on synchronous and asynchronous 3 phase motors. The contact-less detection is ideal for use on motors where the shaft is not visible. Test probes supplied with the instrument have a variable clamping range for safe contact, especially in industrial sockets.

## Features

	9040	9062
3 phase indication	Via LCD	Via LED
Indication of phase rotation	●	●
Indication of motor rotation direction		●
Contact free determination of the rotation direction of running motors		●
Clear LCD display	●	
No battery required	●	

9040:



9062:



## Specifications

	9040	9062
Voltage range	40 - 700 V	Up to 400 V
Phase display	-	120 - 400 V AC
Frequency range	15 - 400 Hz	2-400 Hz
Operating time	Continuous	Continuous

### Size (HxWxD) Fluke 9040:

124 mm x 61 mm x 27 mm

### Size (HxWxD) Fluke 9062:

124 mm x 61 mm x 27 mm

### Power supply 9040:

from unit under test

### Power supply 9062:

1 x 9V

Weight 9040: 0.20 kg

Weight 9062: 0.15 kg

Two Year Warranty

## Included Accessories

Fluke 9040: Alligator clips - black (3)

Standard test probes - black (3)

Flexible test probes - black (3)

Fluke 9062: Alligator clips - black (3)

Flexible test probes - black (3)

Test leads - black (3)

## Ordering Information

Fluke 9040 Phase Rotation Indicator

Fluke 9062 Motor and Phase Rotation Indicator

## Fluke 9062 Applications



Determine the presence of phase sequence of multiphase electrical supplies.



Determine the rotation of running motors simply by placing the instrument on the motor casing.



Check the correct rotation of motors prior to connection.

## Recommended Accessories



TLK290  
See page 146



TLK291  
See page 146



C25  
See page 152



# 2042 Cable Locator



Receiver

Transmitter

## Fluke 2042



### Included Accessories

- TL27 Heavy Duty Test Lead Set (2)
- TP74 Lantern Tip Test Probe Set
- AC285 Alligator Clip Set
- Soft carrying case
- Hard case

### Ordering Information

- Fluke 2042 Cable Locator (transmitter + receiver)
- Fluke 2042T Cable Locator Transmitter

## The multipurpose solution to cable location

The Fluke 2042 is a professional general purpose cable locator. It is ideal for tracing cables in walls and underground, locating fuses/breakers on final circuits and locating interruptions and short-circuits in cables and electrical floor heating systems.

It can also be used for tracing metallic water and heating pipes. The unit is supplied as a complete kit comprising of a transmitter and receiver in a purpose-made carry case. The receiver also incorporates a torch function for working in dimly lit locations.

- For all applications (live or dead cables) without additional instruments
- Set includes a transmitter and a receiver

- Proven digitally coded sender signal guarantees clear signal identification
- Transmitter with LCD-display for transmitting level, transmitting code and external voltage
- Receiver with a backlight LCD-display for level of receiving signal, code of receiving signal and live voltage indication
- Automatic or manual adjustment of receiving signal sensitivity
- Switchable acoustic receiving signal
- Auto-Power-Off
- Additional torch lamp function for working in dark environments
- Additional transmitters are available for extension or to distinguish between several signals.

## Specifications

	Transmitter	Receiver
Voltage Measurement Range	12V, 50V, 120V, 230V, 400V	
Frequency Range	0..60 Hz	
Output signal	125 kHz	
Voltage	Up to 400V AC/DC	
Tracing depth cable location		0...2.5m wall/underground cables
Main voltage detection		0...0.4m

**Batteries Transmitter:** 6 pc Batteries 1.5V

**Batteries Receiver:** 1 pc Battery 9V

**Size (HxWxD) Transmitter:**

190 mm x 85 mm x 50 mm

**Size (HxWxD) Receiver:**

250 mm x 65 mm x 45mm

**Weight Locator:** 0.45 kg

**Weight Receiver:** 0.36 kg

**Two Year Warranty**

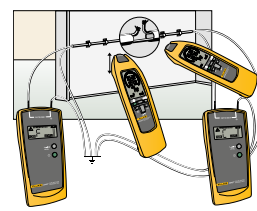
## Fluke 2042 applications



Location of fuses/breakers and assignment to circuits



Tracing of underground cables (max. depth 2.5 m)



Precise location of cable interruptions with additional transmitter

## Recommended Accessories



Fluke 2042T

# 1000FLT lamp tester



Fluke 1000FLT

## The most complete lamp tester helps save you time, reduce costs

The Fluke 1000FLT allows you to perform 5 tests with 1 compact tool. If your job requires keeping large numbers of fluorescent lights shining, the Fluke 1000FLT is an indispensable tool. This tester is a real time and money saver.

### Save time, reduce costs

The Fluke 1000FLT offers 5 essential lighting tests:

- **Lamp test:** test bulb without removing from fixture.
- **Ballast test:** easily determine if ballast is working.
- **Non-contact voltage:** quickly check for voltage presence.
- **Pin continuity test:** tests if filaments have continuity.

- **Ballast-type test:** determine if ballast is electronic or magnetic without taking fixture apart– identify energy wasting ballasts.

### Other key benefits:

- **Survives on-the-job handling:** drop-tested to survive from a six foot (two meter) ladder.
- **Easy to use:** bright indicator light plus audible alert.
- **Rugged:** backed with a three-year warranty.



## Specifications

Test specifications	
Lamp Test Max Output	3000 V peak-peak
Ballast Test	20 kHz
Ballast Type Discriminator	≤3 m distance
Pin Continuity Test	< 1 kΩ
NCV (VoltAlert™)	85 to 277 V AC, 45 to 67 Hz, ≤10 cm distance
Environmental specifications	
Temperature	Operating -10 °C to +50 °C Storage -40 °C to +60 °C
Relative Humidity	85 % maximum
Safety specifications	
Safety rating	IEC 61010-1, pollution degree 2
Mechanical & General Specifications	
Size	21.5 cm x 3.0 cm x 6.5 cm
Weight	0.37 kg
Battery type	4 x AA alkaline IEC LR6
Battery life	40 hours
Auto Power Off	20 minutes after non-use
Low Battery Indicator	Power button light blinks when power is low (typically 85 % of capacity depleted)
Operating altitude	< 2000 m
Electromagnetic Environment	EN 61326-1: Portable
Resistance to impact	2 meter drop
Warranty	3 years

### Included Accessories

Four AA alkaline batteries, H1000 holster, quick reference guide

### Ordering Information

Fluke 1000FLT Fluorescent Light Tester

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Glebe Road, Huntingdon, PE29 7DR, UK  
+44 (0)1480 412 451

sales@ttid.co.uk  
www.ttid.co.uk

