

# 374 and 375 True-rms AC/DC Clamp Meters

Work horse clamps with increased performance and flexibility

The new Fluke 374 and 375 clamp meters offer improved performance perfect for many current measurement situations. With true-rms ac voltage and current measurements, the Fluke 374 and 375 can read up to 600 V and 600 A in both ac and dc modes. Additionally, both are compatible with the new iFlex™ flexible current probe (sold separately) which expands the measurement range to 2500 A ac and provides increased display flexibility, ability to measure around awkward sized conductors and improved wire access.



## Technical Data

### Measurement capability

- 600 A ac and dc current measurement with fixed jaw
- 2500 A ac current measurement with iFlex™ flexible current probe (sold separately)
- 600 V ac and dc voltage measurement
- True-rms ac voltage and current for accurate measurements on non-linear signals
- Frequency measurement to 500 Hz with both jaw and iFlex™ (Fluke 375 only)
- Resistance measurement to 60 k $\Omega$  (Fluke 375) or 6000  $\Omega$  (Fluke 374) with continuity detection
- Min, max, average and inrush recording to capture variations automatically
- 500 mV dc measurement range to interface with other accessories (Fluke 375 only)
- 1000  $\mu$ F capacitance measurement

### Features

- iFlex™ flexible current probe expands the measurement range to 2500 A ac while providing increased display flexibility, ability to measure awkward sized conductors and improved wire access
- CAT IV 600V, CAT III 1000 V safety rating
- Integrated low pass filter (Fluke 375 only) and state of the art signal processing allows for use in noisy electrical environments while providing stable readings

- Proprietary inrush measurement technology to filter out noise and capture motor starting current exactly as the circuit protection sees it
- Ergonomic design fits in your hand and can be used while wearing personal protective equipment
- Large, easy to read, backlight display automatically sets the correct measurement range so you do not need to change switch positions while taking a measurement
- Three-year warranty
- Soft carrying case

## Specifications

Fluke 374 and 375	Range	Max Resolution	Accuracy
AC current via jaw	600 A	0.1 A	2 % ± 5 digits
AC current via iFlex™ (optional)	2500 A	0.1 A	3 % ± 5 digits
DC current	600 A	0.1 A	2 % ± 5 digits
AC voltage	600 V	0.1 V	1.5 % ± 5 digits
DC voltage	600 V	0.1 mV (375) 0.1 V (374)	1 % ± 5 digits
Resistance	60,000 Ω (375) 6000 Ω (374)	0.1 Ω	1 % ± 5 digits
Frequency (375 only)	500 Hz	0.1 Hz	0.5 % ± 5 digits
Capacitance	1 µF to 1000 µF	1 µF	1 % ± 4 digits
True-rms	•		
Continuity	•		
Hold	•		
Backlight	•		
Min/Max	•		
Inrush	•		
Low pass filter	Fluke 375 only		
18 in iFlex™ Flexible Current Probe	Optional accessory		
10 in iFlex™ Flexible Current Probe	Optional accessory		
Wire capacity	750 MCM or 2-500 MCM		
Safety rating	CAT III 1000 V, CAT IV 600 V		

Models	Feature Changes
Old model: Fluke 337	
<b>New model: Fluke 376</b>	Includes all 337 features plus: • CAT IV 600 V, CAT III 1000 V • iFlex™ 2500 A ac • 1000 V ac/dc • mV dc • 60 kΩ • 1000 µF
Old model: Fluke 336	
<b>New model: Fluke 375</b>	Includes all 336 features plus: • CAT IV 600 V, CAT III 1000 V • Optional iFlex™ 2500 A ac • mV dc • 60 kΩ • 1000 µF • Min/Max/Avg
<b>New model: Fluke 374</b>	Includes all 336 features (except low pass filter) plus: • CAT IV 600 V, CAT III 1000 V • Optional iFlex™ 2500 A ac • 1000 µF • Min/Max/Avg
Old model: Fluke 335	
<b>New model: Fluke 374</b>	Includes all 335 features plus: • CAT IV 600 V, CAT III 1000 V • Optional iFlex™ 2500 A ac • 600 A ac/dc • 1000 µF • Min/Max/Avg
<b>New model: Fluke 373</b>	Includes all 335 features (except inrush) plus: • CAT IV 300 V, CAT III 600 V • 1000 µF
Old model: Fluke 334	
<b>New model: Fluke 374</b>	Includes all 334 features plus: • CAT IV 600 V, CAT III 1000 V • Optional iFlex™ 2500 A ac • True-rms • 600 A ac/dc • 1000 µF • Min/Max/Avg
<b>New model: Fluke 373</b>	Includes all 334 features (except inrush) plus: • CAT IV 300 V, CAT III 600 V • True-rms • 1000 µF
Old model: Fluke 333	
<b>New model: Fluke 373</b>	Includes all 333 features plus: • CAT IV 300 V, CAT III 600 V • True-rms • 600 A ac • 6000 Ω • 1000 µF

## Ordering information

**374 True-rms AC/DC**

Clamp Meter

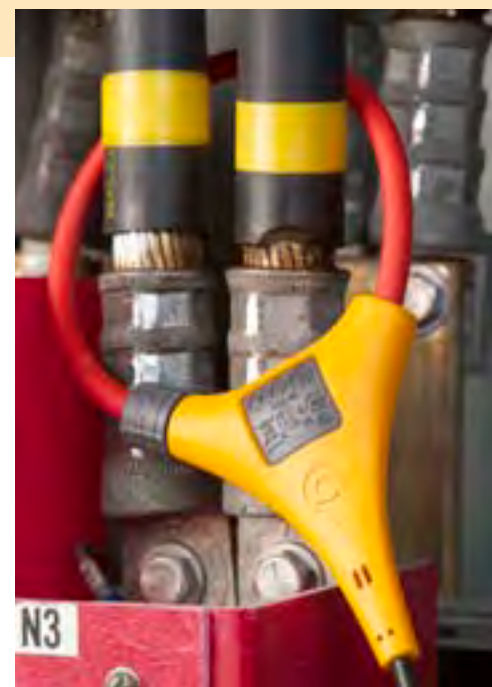
**375 True-rms AC/DC**

Clamp Meter

## Optional accessories

**i2500-10 iFlex™ Flexible**  
Current Probe, 10 inches

**i2500-18 iFlex™ Flexible**  
Current Probe, 18 inches



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### Fluke Corporation

PO Box 9090, Everett, WA 98206 U.S.A.

### Fluke Europe B.V.

PO Box 1186, 5602 BD  
Eindhoven, The Netherlands

### For more information call:

In the U.S.A. (800) 443-5853 or  
Fax (425) 446-5116  
In Europe/M-East/Africa +31 (0) 40 2675 200 or  
Fax +31 (0) 40 2675 222  
In Canada (800)-36-FLUKE or  
Fax (905) 890-6866  
From other countries +1 (425) 446-5500 or  
Fax +1 (425) 446-5116  
Web access: <http://www.fluke.com>

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