

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

Work horse clamps with increased performance and flexibility

## 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 kΩ (Fluke 375) or 6000 Ω (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 μF 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

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.



- 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
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
<b>New model: Fluke 374</b>	Includes all 336 features (except low pass filter) plus: • CAT IV 600 V, CAT III 1000 V
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
<b>New model: Fluke 373</b>	Includes all 335 features (except inrush) plus:
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
<b>New model: Fluke 373</b>	Includes all 334 features (except inrush) plus: • CAT IV 300 V, CAT III 600 V
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

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**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



**Fluke.** Keeping your world up and running.®

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