

# 376 True-rms AC/DC Clamp Meter with iFlex™

Work horse clamps with increased performance and flexibility

The new Fluke 376 Clamp Meter offers improved performance perfect for a wide range of current measurement situations. With true-rms ac voltage and current measurements, the Fluke 376 can read up to 1000 V and 1000 A in both ac and dc modes. Additionally, the Fluke 376 includes the new iFlex™ flexible current probe expanding the measurement range to 2500 A ac while providing increased display flexibility, ability to measure around awkward sized conductors and improved wire access. The Fluke 376 is the direct replacement for the Fluke 337 Clamp Meter.



## Technical Data

### Measurement capability

- 1000 A ac and dc current measurement with fixed jaw
- 2500 A ac current measurement with iFlex™ flexible current probe
- 1000 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™
- 60 kΩ resistance measurement with continuity detection
- Min, max, average and inrush recording to capture variations automatically
- 500 mV dc measurement range to interface with other accessories
- 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 600 V, CAT III 1000 V safety rating
- Integrated low pass filter 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 376	Range	Resolution	Accuracy
AC current via jaw	999.9 A	0.1 A	2 % ± 5 digits
AC current via iFlex™	2500 A	0.1 A	3 % ± 5 digits
DC current	999.9 A	0.1 A	2 % ± 5 digits
AC voltage	1000 V	0.1 V	1.5 % ± 5 digits
DC voltage	1000 V	0.1 mV	1 % ± 5 digits
Resistance	60,000 Ω	0.1 Ω	1 % ± 5 digits
Frequency	500 Hz	0.1 Hz	0.5 % ± 5 digits
Capacitance	1000 µF	1 µF	1 % ± 4 digits
True-rms		•	
Continuity		•	
Hold		•	
Backlight		•	
Min/Max/Avg		•	
Inrush		•	
Low pass filter		•	
18 in iFlex Flexible™ Current Probe		Included	
10 in iFlex Flexible™ Current Probe		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: <ul style="list-style-type: none"> <li>• CAT IV 600 V, CAT III 1000 V</li> <li>• iFlex™ 2500 A ac</li> <li>• 1000 V ac/dc</li> </ul>
Old model: Fluke 336	
<b>New model: Fluke 375</b>	Includes all 336 features plus: <ul style="list-style-type: none"> <li>• CAT IV 600 V, CAT III 1000 V</li> <li>• Optional iFlex™ 2500 A ac</li> <li>• mV dc</li> </ul>
<b>New model: Fluke 374</b>	Includes all 336 features (except low pass filter) plus: <ul style="list-style-type: none"> <li>• CAT IV 600 V, CAT III 1000 V</li> </ul>
Old model: Fluke 335	
<b>New model: Fluke 374</b>	Includes all 335 features plus: <ul style="list-style-type: none"> <li>• CAT IV 600 V, CAT III 1000 V</li> <li>• Optional iFlex™ 2500 A ac</li> </ul>
<b>New model: Fluke 373</b>	Includes all 335 features (except inrush) plus: <ul style="list-style-type: none"> <li>• CAT IV 300 V, CAT III 600 V</li> </ul>
Old model: Fluke 334	
<b>New model: Fluke 374</b>	Includes all 334 features plus: <ul style="list-style-type: none"> <li>• CAT IV 600 V, CAT III 1000 V</li> <li>• Optional iFlex™ 2500 A ac</li> <li>• True-rms</li> </ul>
<b>New model: Fluke 373</b>	Includes all 334 features (except inrush) plus: <ul style="list-style-type: none"> <li>• CAT IV 300 V, CAT III 600 V</li> </ul>
Old model: Fluke 333	
<b>New model: Fluke 373</b>	Includes all 333 features plus: <ul style="list-style-type: none"> <li>• CAT IV 300 V, CAT III 600 V</li> <li>• True-rms</li> </ul>

**Ordering information**  
**376 True-rms AC/DC Clamp Meter with iFlex™**

**Included**  
 Clamp meter, 18-inch iFlex™ probe, test leads, soft case, users manual



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

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