

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

Work horse clamps with increased performance and flexibility

## Technical Data

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.



### 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

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