

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 | |
| New model: Fluke 376 | Includes all 337 features plus: <ul style="list-style-type: none"> • CAT IV 600 V, CAT III 1000 V • iFlex™ 2500 A ac • 1000 V ac/dc |
| Old model: Fluke 336 | |
| New model: Fluke 375 | Includes all 336 features plus: <ul style="list-style-type: none"> • CAT IV 600 V, CAT III 1000 V • Optional iFlex™ 2500 A ac • mV dc |
| New model: Fluke 374 | Includes all 336 features (except low pass filter) plus: <ul style="list-style-type: none"> • CAT IV 600 V, CAT III 1000 V |
| Old model: Fluke 335 | |
| New model: Fluke 374 | Includes all 335 features plus: <ul style="list-style-type: none"> • CAT IV 600 V, CAT III 1000 V • Optional iFlex™ 2500 A ac |
| New model: Fluke 373 | Includes all 335 features (except inrush) plus: <ul style="list-style-type: none"> • CAT IV 300 V, CAT III 600 V |
| Old model: Fluke 334 | |
| New model: Fluke 374 | Includes all 334 features plus: <ul style="list-style-type: none"> • CAT IV 600 V, CAT III 1000 V • Optional iFlex™ 2500 A ac • True-rms |
| New model: Fluke 373 | Includes all 334 features (except inrush) plus: <ul style="list-style-type: none"> • CAT IV 300 V, CAT III 600 V |
| Old model: Fluke 333 | |
| New model: Fluke 373 | Includes all 333 features plus: <ul style="list-style-type: none"> • CAT IV 300 V, CAT III 600 V • True-rms |

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.®

