FLUKE®

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.

N10140

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

- 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		
New model: Fluke 376	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		
New model: Fluke 375	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
New model: Fluke 374	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		
New model: Fluke 374	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
New model: Fluke 373	Includes all 335 features (except inrush) plus:	• CAT IV 300 V, CAT III 600 V • 1000 µF
Old model: Fluke 334		
New model: Fluke 374	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
New model: Fluke 373	Includes all 334 features (except inrush) plus: • CAT IV 300 V, CAT III 600 V	• True-rms • 1000 µF
Old model: Fluke 333		
New model: Fluke 373	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

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

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Printed in U.S.A. 7/2010 3801511B D-EN-N

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