

Distributed by:



TESTERS AND TOOLS.COM

Trust Experience Reliability

sales@testersandtools.com

Tel: 602-795-4033, Fax: 602-795-4624

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.



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 k Ω (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 μ F 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: <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 600 V, CAT III 1000 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

- 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.®

Fluke Corporation
 PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V.
 PO Box 1186, 5602 BD Eindhoven, The Netherlands

For more information call:
 In the U.S.A. (800) 443-5853 or Fax (425) 446-5116
 In Europe/M-East/Africa +31 (0) 40 2675 200 or Fax +31 (0) 40 2675 222
 In Canada (800)-36-FLUKE or Fax (905) 890-6866
 From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116
 Web access: <http://www.fluke.com>

©2010 Fluke Corporation.
 Specifications subject to change without notice.
 Printed in U.S.A. 7/2010 3801511B D-EN-N

Modification of this document is not permitted without written permission from Fluke Corporation.