

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 µF capacitance measurement

Features

- iFlex[™] flexible current probe expands the measurement range to 2500 Å 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	$2\% \pm 5$ digits
AC current via iFlex™ (optional)	2500 A	0.1 A	$3\% \pm 5$ digits
DC current	600 A	0.1 A	$2\% \pm 5$ digits
AC voltage	600 V	0.1 V	$1.5~\%\pm 5~digits$
DC voltage	600 V	0.1 mV (375) 0.1 V (374)	$1~\%\pm5$ digits
Resistance	60,000 Ω (375) 6000 Ω (374)	0.1 Ω	$1~\%\pm5$ digits
Frequency (375 only)	500 Hz	0.1 Hz	$0.5\%\pm5$ digits
Capacitance	1 μF to 1000 μF	1 µF	$1\% \pm 4$ digits
True-RMS	•		
Continuity	•		
Hold	•		
Backlight	•		
Min/Max	•		
Inrush	•		
Low pass filter	Fluke 375 only		
45 cm (18 inch) iFlex™ Flexible Current Probe	Optional accessory		
25 cm (10 inch) iFlex™ Flexible Current Probe	Optional accessory		
Wire capacity	34 mm		
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 ^w 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 ^w 2500 Å 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 Å 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

Fluke 374 True-RMS AC/DC Clamp Meter Fluke 375 True-RMS AC/DC Clamp Meter

Optional accessories

i2500-10 iFlex[™] Flexible Current Probe 25 cm (10 inches) i2500-18 iFlex[™] Flexible Current Probe 45 cm (18 inches)



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