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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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TECHNICAL DATA

# Fluke 370 FC Series True-rms Wireless AC/DC Clamp Meters



#### LOG AND TREND MEASUREMENTS

Transmit results wirelessly via Fluke Connect® Measurements app

#### WORK SAFELY

Capture measurements outside the arc flash zone with Bluetooth connectivity to your Apple or Android devices

#### LO-PASS FILTER

Integrated VFD low-pass filter (Fluke 376 FC and 375 FC) for accurate motor drive measurements

#### TRUE-RMS

True-rms voltage and current for accurate measurements on non-linear signals

#### WARRANTY

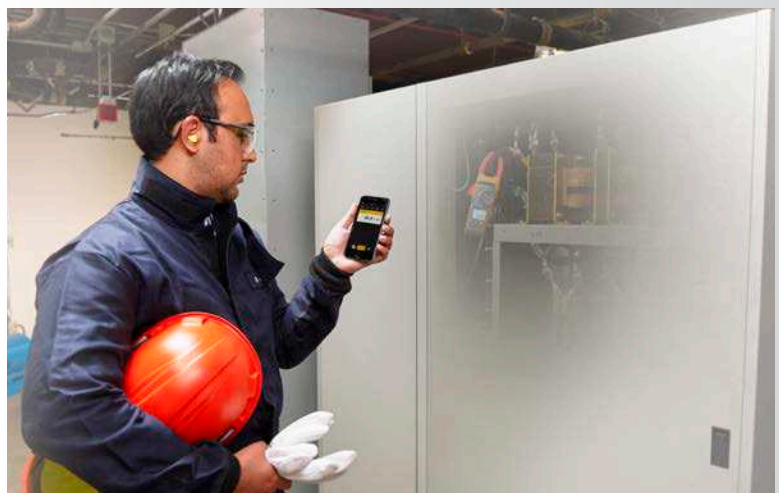
Three-year

**The new Fluke 370 FC Series (376 FC, 375 FC and 374 FC) offers advanced troubleshooting performance.** The iFlex® flexible current probe allows easy connections to wires in tight spaces. In addition, all three clamps are now part of the Fluke Connect® family of wireless test tools. Now you can:

- Log and trend measurements to pinpoint intermittent faults
- Transmit results wirelessly via Fluke Connect® Measurements app
- Create and send reports right from the field
- Capture measurements outside the arc flash zone with Bluetooth connectivity to your Apple or Android devices

#### Product highlights

- Connect your meter to your smartphone using Fluke Connect Measurements app to increase the troubleshooting power of your clamp
- Read measurements on your phone at a safe distance, wearing less PPE while your meter takes all the risks
- Record results directly to your phone and the Fluke Cloud™
- Capture intermittent faults while performing other tasks using the logging capabilities of the Fluke 376 FC and 375 FC
- Create and share reports from the field via email, or converse in real time with ShareLive™ video calls
- iFlex flexible current probe expands the measurement range to 2500 A ac; provides access to large conductors in tight spaces (included with 376 FC; compatible with 375 FC and 374 FC)







- TPAK magnetic hanging strap (included with 376 FC; compatible with 375 FC and 374 FC) allows you to conveniently hang the meter while using the probes
- Integrated VFD low pass filter (Fluke 376 FC and 375 FC) for accurate motor drive measurements
- Proprietary in-rush measurement technology to filter out noise and capture motor starting current exactly as the circuit protection sees it
- CAT IV 600 V, CAT III 1000 V safety rating
- Three-year warranty
- Soft carrying case

### Measurement Capability

- 1000 A ac and dc current measurement (376 FC); 600 A ac and dc (375 FC and 364 FC)
- 2500 A ac current measurement with iFlex® flexible current probe
- 1000 V ac and dc voltage measurement
- True-rms voltage and current for accurate measurements on non-linear signals
- Frequency measurement to 500 Hz with body jaw and iFlex (376 FC and 375 FC)
- Resistance measurement to 60 k $\Omega$  (376 FC and 375 FC) or 6000  $\Omega$  (374 FC), with continuity detection
- Min, max, average and in-rush recording to capture variations automatically
- 500 mV dc measurement range to interface with other accessories (376 FC and 375 FC)
- 1000  $\mu$ F capacitance measurement



## Comparison chart

	Fluke 376 FC	Fluke 375 FC	Fluke 374 FC
CAT rating	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V
A ac range	999.9 A with clamp jaws 2500 A with iFlex® flexible current clamp	600 A with clamp jaws 2500 A with optional iFlex® flexible current clamp	600 A with clamp jaws 2500 A with optional iFlex® flexible current clamp
A dc range	999.9 A	600 A	600A
Best resolution	0.1 A	0.1 A	0.1 A
V ac range	1000 V	1000 V	1000 V
V dc range	1000 V	1000 V	1000 V
mV dc range	500 mV	500 mV	
Ohms range	60.00 kΩ	60.00 kΩ	6,000 Ω
Frequency	5-500.0 Hz	5-500.0 Hz	
Capacitance	1 μF-1,000 μF	1 μF-1,000 μF	1 μ-1,000 μF
Auto shutoff	•	•	•
True RMS	•	•	•
Display hold	•	•	•
Inrush measurements	•	•	•
Backlight	•	•	•
DC zero	•	•	•
Min/max	•	•	•
VFD low pass filter	•	•	
Logging	•	•	
iFlex® flexible current clamp	Included	Optional	Optional
Fluke Connect® compatible	•	•	•

## Specifications

General specifications	
Maximum voltage between any terminal and earth ground	1000 V
Battery type	2 AA alkaline batteries, NEDA 15A, IEC LR6
Temperature	Operating: -10 °C to +50 °C (14 °F to + 122 °F) Storage: -40 °C to +60 °C (-40 °F to + 140 °F)
Operating humidity	Non condensing (< 10 °C (50 °F)), ≤90 % RH (at 10 °C to 30 °C (50 °F to 86 °F)), ≤75 % RH (at 30 °C to 40 °C (86 °F to 104 °F)), ≤45 % RH (at 40 °C to 50 °C (104 °F to 122 °F))
Altitude	Operating: 3,000 m (9,842 ft) Storage: 12,000 m (39,370 ft)
Dimensions	24.9 cm (9.8 in) x 8.5 cm (3.3 in) x 4.5 cm (1.7 in)
Weight	395 g (13.9 oz)
Jaw opening	34 mm (1.3 in)
Flexible current probe diameter	7.5 mm (.29 in)
Flexible current probe cable length (head to electronics connector)	1.8 m (70.8 in)
Safety	IEC 61010-1, Pollution Degree 2 IEC 61010-2-032: CAT III 1000 V / CAT IV 600 V IEC 61010-2-033: CAT III 1000 V / CAT IV 600 V
IP rating	IEC 60529: IP30, non-operating
Radio frequency certification	FCC ID:T68-FBLE IC:6627A-FBLE

**General specifications continued**

Electromagnetic Compatibility (EMC)	<p>International: IEC 61326-1: Portable, Electromagnetic Environment, IEC 61326-2-2 CISPR 11: Group 1, Class A</p> <p>Korea (KCC): Class A Equipment (Industrial Broadcasting &amp; Communication Equipment)</p> <p>USA (FCC): 47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.</p>
Temperature coefficients	Add 0.1 × specified accuracy for each degree C above 28 °C or below 18 °C

Function	Range	Resolution	Accuracy	Crest factor	Trigger level
AC current via jaw	374 FC and 375 FC: 600.0 A 376 FC: 999.9 A	0.1 A	2 % ±5 digits (10 Hz to 100 Hz)	3 at 500 A (375 FC and 376 FC only) 2.5 at 600 A 1.42 at 1000 A (376 FC only) Add 2 % for C.F. >2	
AC current via flexible current probe	2500 A	374 FC and 375 FC: 0.1 A (≤ 600.0 A), 1 A (≤ 2500 A) 376 FC: 0.1 A (≤ 999.9 A), 1 A (≤ 2500 A)	3 % ±5 digits (5 Hz to 500 Hz)	3.0 at 1100 A (375 FC and 376 FC only) 2.5 at 1400 A 1.42 at 2500 A Add 2 % for C.F. >2	
DC current	374 FC and 375 FC: 600.0 A 376 FC: 999.9 A	0.1 A	2 % ±5 digits		
AC voltage	1000 V	0.1 V (≤600.0 V) 1 V (≤1000 V)	1.5 % ±5 digits (20 Hz to 500 Hz)		
DC voltage	1000 V	0.1 V (≤600.0 V) 1 V (≤1000 V)	1 % ±5 digits		
mV dc	500.0 mV	0.1 mV	1 % ±5 digits		
Frequency via jaw	375 FC and 376 FC: 5.0 Hz to 500.0 Hz	0.1 Hz	0.5 % ±5 digits		5 Hz to 10 Hz, ≥10 A 10 Hz to 100 Hz, ≥5 A 100 Hz to 500 Hz, ≥10 A
Frequency via flexible current probe	375 FC and 376 FC: 5.0 Hz to 500.0 Hz	0.1 Hz	0.5 % ±5 digits		5 Hz to 20 Hz, ≥25 A 20 Hz to 100 Hz, ≥20 A 100 Hz to 500 Hz, ≥25 A
Resistance	374 FC: 6,000 Ω 375 FC and 376 FC: 60 kΩ	374 FC: 0.1 Ω (≤600 Ω), 1 Ω (≤6000 Ω) 375 FC and 376 FC: 0.1 Ω (≤600 Ω), 1 Ω (≤6000 Ω), 10 Ω (≤60 kΩ)	1 % ±5 digits		
Capacitance	1000 µF	0.1 µF (≤100 µF), 1 µF (≤1000 µF)	1 % ±4 digits		

