

Fluke 377 FC and 378 FC Clamp Meters with FieldSense™



Fluke 377 FC

Fluke 378 FC



Voltage and Current Measurements with FieldSense™ Technology

The new Fluke 377 FC and 378 FC are the first industrial clamp meters that use FieldSense™ technology to make accurate non-contact voltage measurements, thereby enhancing safety and improving productivity. Get a full set of phase-to-phase voltage and current measurements along with auto-calculation of phase rotation by clamping the jaw over each of the three-phase conductors. The Fluke 378 FC includes the unique power quality indicator that automatically senses power quality issues related to current, voltage and power factor, enabling you to quickly determine if the fault is upstream or downstream.

- Safe and accurate voltage measurement without metallic contact
- View both voltage and current measurements simultaneously on dual display
- Complete three-phase measurements 50% faster than other industrial clamp meters
- Phase rotation information is auto calculated (in Fluke Connect™ App)
- Screen equipment for power quality problems with PQ Indicator (Fluke 378 FC only)
- Easy logging, seamless data transfer and reporting with Fluke Connect™
- Three-year warranty

Recommended Accessories



TL223
SureGrip™ Electrical Test Lead Set



Pack30
Professional Tool Backpack



TL175
TwistGuard™ Test Leads



AC285
SureGrip™ Alligator Clips

FieldSense™ Enabled



Non-contact voltage measurement made possible with Fluke's FieldSense™ technology. Get voltage measurements faster, easier and safer than ever. No direct electrical contact means less potential for electric shocks and arc flash.



Features	Range	377 FC	378 FC
Current AC (clamp jaw/iFlex™)	999.9 A	±(2% + 5 digits)	
	2500 A	±(3% + 5 digits)	
Current DC	999.9 A	±(2% + 5 digits)	
Voltage AC (FieldSense™)	1000 V	±(3% + 5 digits) (≤ 4/0 AWG) ±(5% + 5 digits) (≥ 4/0 AWG)	
Voltage AC (Test Leads)	1000 V	±(1% + 5 digits)	
Voltage DC	1000 V	±(1% + 5 digits)	
Capacitance	1000 µF	±(1% + 4 digits)	
Resistance/Continuity		60 kΩ / Yes	
Jaw opening		34 mm (1.33 in)	
Three-phase calculations		Yes	
Power Quality indicator		No	Yes
Phase Rotation		Yes	
Visual Continuity		Yes	
Data Logging		Yes	
Low pass filter (for VFD)		Yes	
Safety Compliance		IEC 61010-2-032: CAT III 1000 V / CAT IV 600 V	

Included Accessories

Test Leads, TwistGuard™ Test Probes, black grounding clip, 18-inch iFlex™ Flexible Current Probe, ToolPak Magnetic Meter Hanger, premium carrying case, two AA batteries and quick reference guide.

Ordering Information

Fluke 377 FC Non-Contact Voltage True-RMS AC/DC Clamp Meter

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Contact your local distributor for price and availability.
fluke.com/wtb

Clamp Meters

