

# 381 Remote Display True-rms AC/DC Clamp Meter with iFlex™

The first clamp meter with a detachable, remote display for easier, faster, safer measurements

The new Fluke 381 does everything you would expect from a clamp meter, and then lets you remove the display for even more flexibility. Now one technician can do jobs that used to require two people; clamp the Fluke 381 around a conductor, remove the display and walk across the room to operate controls or remove protective equipment, all while watching real-time readings. The new iFlex™ flexible current probe (included) expands the measurement range to 2500 A ac while providing increased display flexibility, ability to measure awkward sized conductors and improved wire access.

**New**



**True  
RMS**



## Technical Data

### Measurement capability

- 1000 A ac and dc current measurement with fixed jaw
- 2500 A ac current measurement with iFlex™ flexible current probe
- 1000 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™
- 60 kΩ resistance measurement with continuity detection
- Min, max, average and inrush recording to capture variations automatically

### Features

- Wireless technology allows the display to be carried up to 30 ft away from the point of measurement for added flexibility without interference with measurement accuracy
- 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 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
- The removable magnetic display can be conveniently mounted where it is easily seen
- Radio transmitter automatically turns off when the display is connected to the meter
- 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 381	Range	Resolution	Accuracy
<b>AC current via jaw</b>	999.9 A	0.1 A	2 % ± 5 digits
<b>AC current via iFlex™</b>	2500 A	0.1 A	3 % ± 5 digits
<b>DC current</b>	999.9 A	0.1 A	2 % ± 5 digits
<b>AC voltage</b>	1000 V	0.1 V	1.5 % ± 5 digits
<b>DC voltage</b>	1000 V	0.1 V	1 % ± 5 digits
<b>Resistance</b>	60,000 Ω	0.1 Ω	1 % ± 5 digits
<b>Frequency</b>	500 Hz	0.1 Hz	0.5 % ± 5 digits
<b>True-rms</b>		•	
<b>Continuity</b>		•	
<b>Hold</b>		•	
<b>Backlight</b>		•	
<b>Min/Max</b>		•	
<b>Inrush</b>		•	
<b>Low pass filter</b>		•	
<b>Removable wireless display</b>		•	
<b>18 inch iFlex™ Flexible Current Probe</b>		Included	
<b>10 inch iFlex™ Flexible Current Probe</b>		Accessory	
<b>Wire capacity</b>		750 MCM or 2-500 MCM	
<b>Safety rating</b>		CAT III 1000V, CAT IV 600V	

**Ordering information**  
**381 Remote Display True-rms**  
**Clamp Meter with iFlex™**



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

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