

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



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 10 m 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
AC current via jaw	999.9 A	0.1 A	2 % ± 5 digits
AC current via iFlex™	2500 A	0.1 A	3 % ± 5 digits
DC current	999.9 A	0.1 A	2 % ± 5 digits
AC voltage	1000 V	0.1 V	1.5 % ± 5 digits
DC voltage	1000 V	0.1 V	1 % ± 5 digits
Resistance	60,000 Ω	0.1 Ω	1 % ± 5 digits
Frequency	500 Hz	0.1 Hz	0.5 % ± 5 digits
True-RMS		•	
Continuity		•	
Hold		•	
Backlight		•	
Min/Max		•	
Inrush		•	
Low pass filter		•	
Removable wireless display		•	
45 cm (18 inch) iFlex™ Flexible Current Probe		Included	
25 cm (10 inch) iFlex™ Flexible Current Probe		Accessory	
Wire capacity		34 mm	
Safety rating		CAT III 1000V, CAT IV 600V	

Ordering information

Fluke 381 Remote Display True-RMS Clamp Meter with iFlex™



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Fluke Europe B.V.
 P.O. Box 1186
 5602 BD Eindhoven
 The Netherlands
 Web: www.fluke.eu

For more information call:
 In Europe/M-East/Africa +31 (0)40 2 675 200
 or Fax +31 (0)40 2 675 222

Fluke (UK) Ltd.
 52 Hurricane Way
 Norwich, Norfolk
 NR6 6JB
 United Kingdom

Tel.: (020) 7942 0700
 Fax: (020) 7942 0701
 E-mail: industrial@uk.fluke.nl
 Web: www.fluke.co.uk/clamps

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