

# 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

## Ordering information

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

## 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            | •                          |            |                  |
| 18 inch iFlex™ Flexible Current Probe | Included                   |            |                  |
| 10 inch iFlex™ Flexible Current Probe | Accessory                  |            |                  |
| Wire capacity                         | 750 MCM or 2-500 MCM       |            |                  |
| Safety rating                         | CAT III 1000V, CAT IV 600V |            |                  |



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