



# Quick Start

## Flex Clamp Meter with Bluetooth®

MODEL CM57-2

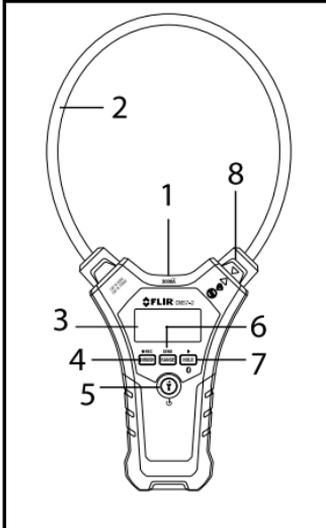


# Quick Start

## QUICK STEPS

- Long press  to power ON/OFF.
- Meter is powered by three AAA batteries (rear compartment).
- Meter switches OFF automatically after 10 minutes of inactivity.
- When powered, press  to switch worklights ON/OFF.
- Press HOLD to freeze displayed readings.
- Press RANGE for Manual Ranging (Auto Range is default).
- Press INRUSH for inrush current mode (refer to user manual).
- Long press REC to open the datalogger; press  to Start/Stop recording one reading per minute.
- Long press  to activate Bluetooth (real time readings will now be available to Bluetooth paired devices).
- Long press SEND to transmit bulk stored readings via Bluetooth (refer to the user manual for complete instructions; link below).  
<https://support.flir.com>

## METER DESCRIPTION

	1. Worklights
	2. Flexible current clamp coil
	3. Display area
	4. Inrush (short press) / Recording button (long press opens the data logger)
	5. Power (long press) / Worklights ON/OFF (short press)
	6. Range (short press to set range manually) / Send data via Bluetooth (long press)
	7. Data Hold (short press) / Start-Stop Record (short press in data logger mode)/ Bluetooth ON/OFF (long press)
	8. Clamp lock (turn counter-clockwise to open)

## CONTROL BUTTONS

	<ul style="list-style-type: none"> <li>• Press to access/exit INRUSH mode</li> <li>• Long press to open/close the data logger (REC); use the Start/Stop button  to control the data logger</li> </ul>
	<ul style="list-style-type: none"> <li>• Press to step through the ranges manually</li> <li>• Long press while in manual range mode to return to Auto range mode</li> <li>• Long press to Send data logs via Bluetooth (refer to User Manual for complete instructions)</li> </ul>
	<ul style="list-style-type: none"> <li>• Press to access the Data Hold mode</li> <li>• Long press to activate/deactivate Bluetooth</li> <li>• While in data log mode, press to Start/Stop recording</li> </ul>
	<ul style="list-style-type: none"> <li>• Long press to switch power ON/OFF</li> <li>• When powered, press to switch worklights ON/OFF</li> </ul>

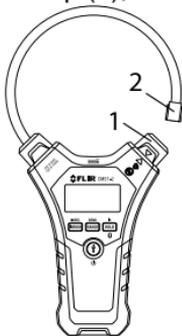
## DISPLAY ICONS

	Bluetooth		Display Hold		Amperes
	Battery status		Inrush current		Auto power off
	Bulk data transmit		Recording mode		Auto range

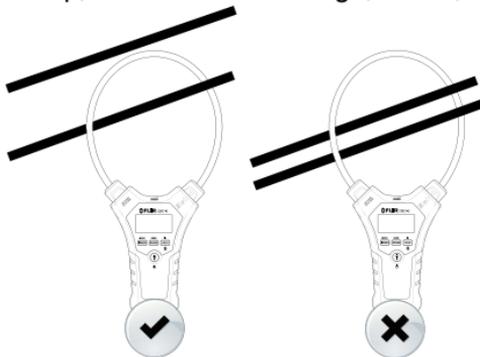
## AC CURRENT MEASUREMENTS

	<b>WARNING</b>
<p>Ensure that power to the device under test is OFF before starting this procedure. Switch power to the device under test ON only after the clamp has been safely attached.</p>	
	<b>WARNING</b>
<p>Do not move your fingers above the LCD at any time during a test.</p>	

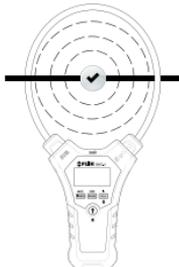
1. Switch the meter OFF and switch power to the device under test OFF.
2. Turn the clamp lock (1) counterclockwise to release the flexible clamp (2), as shown.



3. Fully enclose only one conductor of the device under test in the clamp, as shown in the image, on left, below.



4. Centre the conductor in the clamp, as shown.



5. Re-secure the clamp lock after clamping around a single conductor.
6. Do not attempt to measure current higher > 3000 A.
7. Switch the meter ON and then switch power ON to the device under test.
8. Read the current value on the display. **OL** will display if the measured signal exceeds the range. The meter defaults to the Auto range mode; the Auto range icon  is visible on the display in Auto range mode.
9. To manually select the range, use the **RANGE** button (30.00 A / 300.0 A / 3000 A).

### BLUETOOTH COMMUNICATION

To stream to an iOS / Android device, download the mobile application METERLiNK® and follow the application on-screen prompts. See the User Manual for complete details.

### BASIC SPECIFICATIONS

Measurement ranges	30.0, 300.0, 3000 A AC
Accuracy (of reading)	± (3.0% + 5 digits)
Clamp coil diameter	7.5 mm (0.3 in.); Coil connecting ring is 13 mm (0.5 in.)
Coil bend radius	80 mm (3.1 in.)
AC bandwidth	45 to 500 Hz
AC response	True RMS
Battery power	2 x AAA batteries
Safety	IP54 rated For indoor use and in accordance with the requirements for double insulation to EN61010-1, EN61010-2-032, EN61326-1; CAT IV 600V, CAT III 1000V, Pollution Degree 2, CE
Operating conditions	0 to 50°C (32 to 122°F); < 80% RH
Storage conditions	-20 to 60°C (-4° to 140°F) without batteries; < 80% RH

## **CUSTOMER SUPPORT**

**<https://support.flir.com>**

## **WARRANTY**

This product is protected by FLIR's Limited Lifetime Warranty. Visit the site below to view the warranty and to register your product.

**<https://flir.com/testwarranty>**





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**Website**

<http://www.flir.com>

**Customer support**

<http://support.flir.com>

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