



CM55 & CM57 Flexible Clamp Meters

# FLIR CM55/57

## Flexible Clamp Meters

The FLIR Flexible Clamp Meters with Bluetooth are ergonomic tools designed to simplify difficult current measurements. Made with a narrow flexible coil clamp, you can easily take measurements in tight or awkward spots—a difficult task with a traditional hard jaw clamp meter. With Bluetooth® communication for remote viewing and data transfer to iOS and Android devices via FLIR Tools Mobile, you can analyze and share data fast right from the jobsite.

### TAKE ACCURATE MEASUREMENTS IN TIGHT OR AWKWARD SPOTS.

*Tricky conductors conquered*

- Snake the coil around obstacles with ease, even in deep, crowded cabinets
- TRMS AC Current up to 3,000 Amps for multiple conductor measurements
- Inrush current function for equipment start-up spikes

### EASY INSPECTION AND NAVIGATION.

*Designed with your convenience in mind*

- Standalone flexible clamp meter displays the readings you need
- Bright, dual LED work lights provide built-in illumination for dark cabinets
- Drop tested to 3 meters, portable, lightweight, and tangle-free without compromising measurement range

### REMOTE VIEWING FROM A SAFE DISTANCE.

*Transfer and view data on mobile devices with FLIR Tools Mobile*

- Connect to iOS and Android smartphones or tablets
- Multiple units wirelessly connect for remote viewing of multiphase systems
- Data recording for trend analysis transferable via Bluetooth

### CHOOSE FROM TWO FLEXIBLE COIL LENGTHS:

- **CM55 - 10"** (25.4cm) for easy maneuverability and compact convenience
- **CM57 - 18"** (45.72 cm) for larger and multiple conductor measurements, double-wrap requirements, and deeper access



FLIR CM57's Flexible Cable works into tight areas



The CM57's bluetooth capability gives readings at safe distances

## Specifications

Flexible Clamp Meters	CM55	CM57
Part number	CM55	CM57
<b>Measurement</b>		
Maximum AC current	3000A AC	3000A AC
AC response	True RMS	True RMS
AC current ranges and resolution	30.00A, 300.0A, 3000A	30.00A, 300.0A, 3000A
Basic AC current accuracy (of reading)	± 3.0% + 5 digits	± 3.0% + 5 digits
Maximum resolution	0.01A	0.01A
AC current bandwidth	45Hz – 500Hz (sine wave)	45Hz – 500Hz (sine wave)
Inrush current	Min 0.5A, 100mS	Min 0.5A, 100mS
Data record mode	20000 points , 1 min sample rate	20000 points , 1 min sample rate
Positional error (distance from optimum)	0.6" (15mm) 2.0% 1.0" (25mm) 2.5% 1.4" (35mm) 3.0%	1.4" (35mm) 1.0% 2.0" (50mm) 1.5% 2.4" (60mm) 2.0%
<b>Meter Data</b>		
Display	3000 count LCD with backlight and multi-function indicators	3000 count LCD with backlight and multi-function indicators
Max conductor diameter capacity	4.7" (12cm)	4.7" (12cm)
Flex coil length	18" (45 cm)	18" (45 cm)
Flex coil diameter	0.3" (7.5mm);	0.3" (7.5mm);
Flex coil tip diameter	0.5" (13mm)	0.5" (13mm)
Work light	Two white LEDs	Two white LEDs
Bluetooth range max	32' (10 m)	32' (10 m)
Wireless ID# max	Up to 20	Up to 20
Power supply	(2) 1.5V "AAA"	(2) 1.5V "AAA"
Drop test	9.8' (3m)	9.8' (3m)
Agency approvals	FCC Class B, CE, UL	FCC Class B, CE, UL
Safety rating	CAT IV 600V, CAT III 1000V	CAT IV 600V, CAT III 1000V
Standards	EN61010-1, EN61010-2-032	EN61010-1, EN61010-2-032
Warranty	Limited lifetime with registration	Limited lifetime with registration



**PORTLAND**  
**Corporate Headquarters**  
 FLIR Systems, Inc.  
 27700 SW Parkway Ave.  
 Wilsonville, OR 97070  
 USA  
 PH: +1 503.498.3547

**BOSTON**  
 FLIR Systems, Inc.  
 25 Esquire Road  
 North Billerica, MA 01862  
 USA  
 PH: +1 978.901.8000

**EUROPE**  
 FLIR Systems, Ltd.  
 West Malling, Kent  
 United Kingdom  
 PH: +44.1732.220011

**SWEDEN**  
 FLIR Systems, AB  
 Täby, Sweden  
 PH: +68.8.753.2500

www.flir.com  
 NASDAQ: FLIR

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2015 FLIR Systems, Inc. All rights reserved. (Created 05/27/15)