

Product Datasheet - Technical Specifications



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CM57 & CM55 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, the CM55 and CM57 let you 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 the FLIR Tools Mobile App, 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
- True RMS 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 worklights 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 & view data on mobile devices with FLIR Tools Mobile App

- 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



Bluetooth capability gives readings at safe distances

Specifications

| Flexible Clamp Meters | CM55 | CM57 |
|--|--|--|
| Maximum AC current | 3000A | |
| AC response | True RMS | |
| AC current ranges and resolution | 30.00A, 300.0A, 3000A | |
| Basic AC current accuracy (of reading) | ± 3.0% + 5 digits | |
| Maximum resolution | 0.01A | |
| AC current bandwidth | 45Hz – 500Hz (sine wave) | |
| Inrush current | Min 0.5A, 100mS | |
| Data record mode | 20,000 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% |
| Meter Data | | |
| Display | 3000 count LCD with backlight and multi-function indicators | |
| Max conductor diameter | 2.4" (6cm) | 4.7" (12cm) |
| Flex coil length | 10" (25cm) | 18" (45cm) |
| Flex coil diameter | 0.3" (7.5mm) | |
| Flex coil tip diameter | 0.5" (13mm) | |
| Worklight | Two white LEDs | |
| Bluetooth range max | 32' (10m) | |
| Wireless ID# max | Up to 20 | |
| Power supply | (2) 1.5V "AAA" | |
| Drop test | 9.8' (3m) | |
| Agency approvals | FCC Class B, CE, UL | |
| Safety rating | CAT IV 600V, CAT III 1000V | |
| Standards | EN61010-1, EN61010-2-032, EN61326-1 | |
| Warranty | Limited lifetime with registration* | |

* Register within 60 days of purchase at www.flir.com/testwarranty

| Ordering Information | CM55 | CM57 |
|----------------------|---------------|---------------|
| UPC | 793950370551 | 793950370575 |
| EAN | 0793950370551 | 0793950370575 |



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