

## P/N: CM57-2

### Copyright

© 2023, FLIR Systems, Inc.

All rights reserved worldwide. Names and marks appearing herein are either registered trademarks or trademarks of FLIR Systems and/or its subsidiaries. All other trademarks, trade names or company names referenced herein are used for identification only and are the property of their respective owners.

### Document identity

Publ. No.: CM57-2

Commit: 93337

Language: en-US

Modified: 2023-09-19

Formatted: 2023-09-19

### Website

<http://www.flir.com>

### Customer support

<http://support.flir.com>

### Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to [exportquestions@flir.com](mailto:exportquestions@flir.com) with any questions.



Part number	CM57-2
Name	Large Flex Clamp Meter with Bluetooth
Description	18 in. (45 cm) 3000 A true RMS AC flexible current clamp meter with Bluetooth
<p>The FLIR Flex Clamp Meters with Bluetooth are ergonomic tools designed to simplify difficult current measurements. Made with a narrow flexible coil clamp, the FLIR CM57-2 lets you easily take measurements in tight or awkward spots—a difficult task with a traditional hard jaw clamp meter. Bluetooth communications allow remote viewing and data transfer with iOS and Android devices. With the METERLINK Mobile app, you can analyze and share data fast from the job site.</p>	
<p>Take accurate measurements in tight or awkward spots—tricky conductors conquered:</p> <ul style="list-style-type: none"> <li>• Snake the coil around obstacles with ease, even in deep, crowded cabinets.</li> <li>• True RMS AC up to 3000 A for multiple conductor measurements.</li> <li>• Inrush current function for equipment start-up spikes.</li> </ul>	
<p>Easy inspection and navigation—designed with your convenience in mind:</p> <ul style="list-style-type: none"> <li>• Standalone flexible clamp meter displays the readings you need.</li> <li>• Bright, dual-LED worklights provide built-in illumination for dark cabinets.</li> <li>• Drop tested to 3 m, portable, lightweight, and tangle free without compromising measurement range.</li> </ul>	
<p>Remote viewing from a safe distance—transfer and view data on mobile devices with the METERLINK Mobile app:</p> <ul style="list-style-type: none"> <li>• Connect to iOS and Android smartphones or tablets.</li> <li>• Multiple units wirelessly connect for remote viewing of multiphase systems.</li> <li>• Data recording for trend analysis transferable via the METERLINK Mobile app.</li> </ul>	
<b>Measurement</b>	
Maximum AC current	3000 A AC
AC response	True RMS
AC ranges and resolution	30.00 A, 300.0 A, 3000 A
Basic AC accuracy (of reading)	±3.0% + 5 digits
Maximum resolution	0.01 A
Measurement rate	3 samples per second, nominal
AC bandwidth	45–500 Hz (sine wave)
Inrush current	Minimum 0.5 A, 100 mS
Data record mode	20 000 points , 1 minute sample rate



## FLIR CM57-2

### P/N: CM57-2

© 2023, FLIR Systems, Inc.

#CM57-2; r. 93337; en-US

<b>Measurement</b>	
Detailed accuracy	30.00 A $\pm$ (3.0% + 5 digits), 300.0 A $\pm$ (3.0% + 5 digits), 3000 A $\pm$ (3.0% + 5 digits)
Positional error (distance from optimum)	35 mm (1.4 in.) $\pm$ 1.0%, 50 mm (2.0 in.) $\pm$ 1.5%, 60 mm (2.4 in.) $\pm$ 2.0%
<b>Meter data</b>	
Display	3000-count LCD with backlight and multi-function indicators
Maximum conductor diameter	12 cm (4.7 in.)
Flex cable length	45 cm (18 in.)
Coil bend radius	80 mm (3.1 in.)
Coil diameter	7.5 mm (0.3 in.)
Coil tip diameter	13 mm (0.5 in.)
Display indications	Progressive low battery, over range, hold
Worklight	Two white LEDs
Bluetooth range (maximum)	10 m (32 ft.)
Wireless ID# (maximum)	Up to 20
<b>Power System</b>	
Power supply	2 $\times$ 1.5 V AAA
Battery life	100 hours with alkaline batteries (calculated)
Auto power off	Approximately 10 minutes
Battery documents	For documents like MSDS and UN38.3 test reports/summaries, see: <a href="https://support.flir.com/resources/msds">https://support.flir.com/resources/msds</a>
<b>Environmental</b>	
Drop test	3 m (9.8 ft.)
IP rating	IP54 dust-protected and splash-resistant
Maximum operating altitude	2000 m (6562 ft.)
Operating temperature	0–50°C (32–122°F)
Operating humidity	Maximum 80% up to 35°C (95°F) decreasing linearly to 60% at 45°C (113°F)
Temperature coefficient	0.2 $\times$ specified accuracy/°C, < 18°C (64.5°F), >28°C (82.4°F)
Storage temperature	–20 to +60°C (–4 to +140°F) without batteries
Storage humidity	80% relative humidity (maximum)
<b>Certifications</b>	
Agency approvals	UL, CE, FCC, IC, UKCA
Safety compliance	CAT IV—600 V, CAT III—1000 V

**P/N: CM57-2**

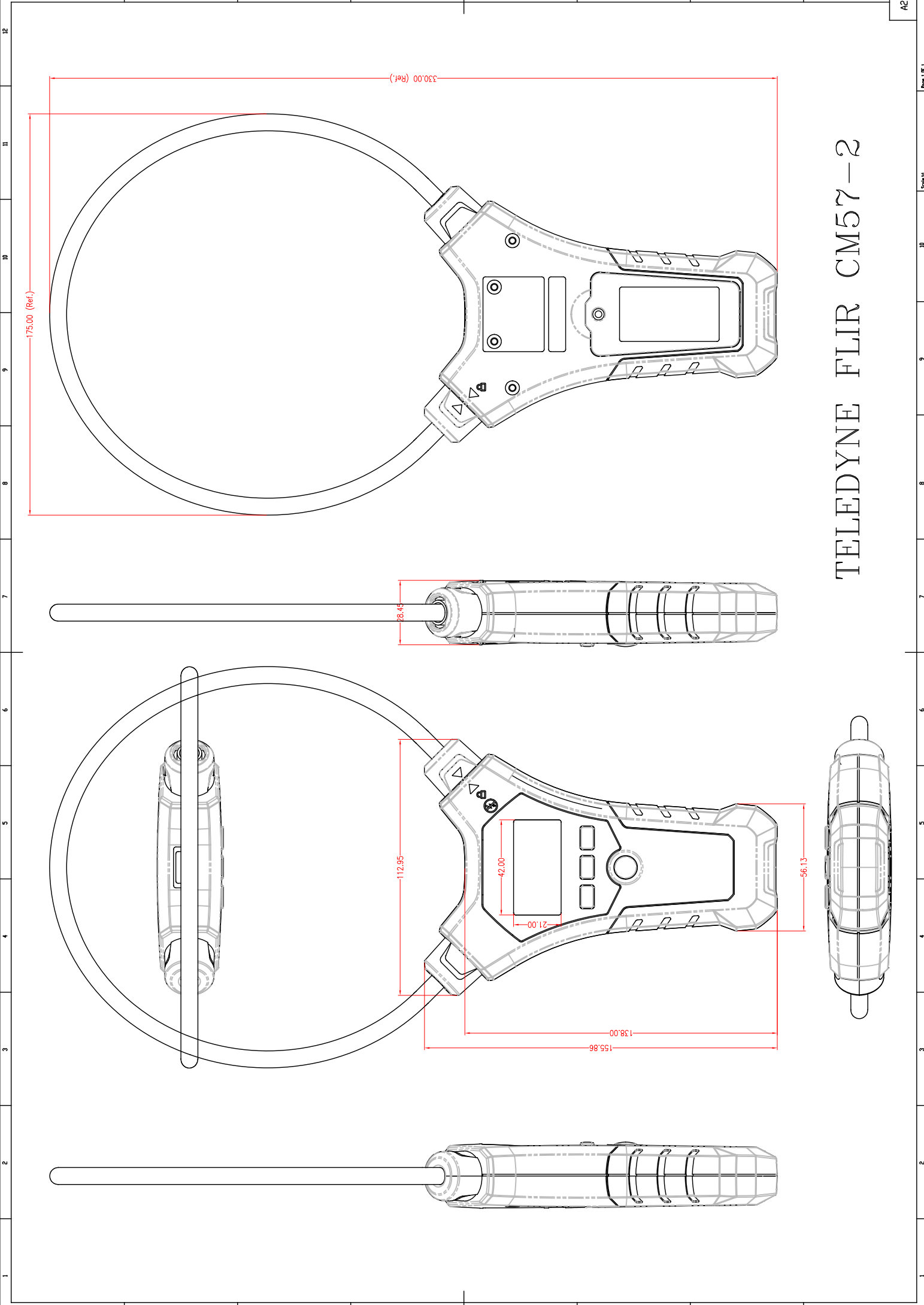
© 2023, FLIR Systems, Inc.

#CM57-2; r. 93337; en-US

<b>Certifications</b>	
Standards	<ul style="list-style-type: none"> <li>• Safety (UL): <ul style="list-style-type: none"> <li>◦ IEC 61010-1:2010, IEC 61010-2-032:2012</li> </ul> </li> <li>• EMC (FCC): <ul style="list-style-type: none"> <li>◦ 47 CFR Part 15 Subpart B</li> </ul> </li> <li>• EMC (CE): <ul style="list-style-type: none"> <li>◦ EN IEC 61326-1:2021</li> <li>◦ EN IEC 61326-2-2:2021</li> <li>◦ EN 301 489-1 V2.2.3 (2019-11)</li> <li>◦ EN 301 489-17 V3.2.4 (2020-09)</li> </ul> </li> <li>• RF: <ul style="list-style-type: none"> <li>◦ ETSI EN 300 328 V2.2.2</li> <li>◦ EN 62479:2010</li> <li>◦ EN 50663:2017</li> </ul> </li> </ul>
Declaration of conformity	See: <a href="https://support.flir.com/resources/DoC">https://support.flir.com/resources/DoC</a>
<b>Physical data</b>	
Dimensions (L x W x H)	330 mm x 175 mm x 28.45 mm ( 13 in. x 6.89 in. x 1.12 in.)
Weight	233 g (0.51 lb.) with batteries
<b>Warranty</b>	
Warranty	Limited Lifetime Warranty <a href="https://www.flir.com/testwarranty">https://www.flir.com/testwarranty</a>
<b>Shipping</b>	
Packaging type	Gift box
Packaging contents	<ul style="list-style-type: none"> <li>• CM57-2</li> <li>• 2 x AAA 1.5 V alkaline batteries</li> <li>• Quick start guide</li> <li>• Warranty card</li> </ul> <p>Multilingual Quick Start Guides and User Manual are available online.</p>
Packaging weight	0.472 kg (1.04 lb)
Packaging dimensions (L x W x H)	28.5 cm x 15 cm x 5.2 cm (9.4 in. x 4.95 in. x 1.7 in.)
EAN-13	0793950372579
UPC-12	793950372579
Country of origin	Taiwan
Tariff code	9030390100 / 3A992.a
<b>Technical support</b>	
Website	<a href="http://support.flir.com">http://support.flir.com</a>

**Supplies & accessories:**

- TA10-F; Protective Case for DM9x and TA72/74 Series
- TA15; Universal Soft Sided Case
- TA17; Pouch for FLIR Clamp Meters
- TA55; AC Current Line splitter



175.00 (Ref.)

330.00 (Ref.)

28.45

112.85

42.00

21.00

155.86

138.00

56.13

# TELEDYNE FLIR CM57-2