FLIR CM57-2™

Flexible Clamp Meter with METERLiNK®
18-inch coil

Key Features:

- 18-inch flexible coil clamp
- Dual LED worklights
- Bluetooth® connectivity up to 10 m (32 ft)

Main Applications:

- Measuring high currents from a safe distance
- Measuring current in hard to reach areas
- Performing electrical inspections in dark areas

SPECIFICATIONS

Measurement	
Maximum AC	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	1.5 samples per second, nominal
Display rate	2 times per second
AC bandwidth	45 Hz to 500 Hz (sine wave)
Inrush current	Minimum 0.5 A, 100 mS
Data record mode	20,000 points, 1 minute sample rate
Positional error (distance from optimum)	35 mm (1.4 in) ±1.0% 50 mm (2.0 in) ±1.5% 60 mm (2.4 in) ±2.0%
Detailed accuracy	30.00 A ±(3.0% + 5 digits), 300.0 A ±(3.0% + 5 digits), 3000 A ±(3.0% + 5 digits)
Meter Data	
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	2 × LED
Bluetooth range	10 m (32 ft)
Warranty	Limited Lifetime Warranty
Power System	
Power requirements	2 × 1.5 V AAA
Battery life	100 hours with alkaline batteries (calculated)
Auto power off	Approx. 10 minutes
Environmental	
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°C to 50°C (32°F to 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 × specified accuracy/°C, <64.5°F (18°C), >82.4°F (28°C)
Storage temperature	-20°C to 60°C (-4°F to 140°F) without batteries
Storage humidity	80% relative humidity (maximum)
Certifications	
Certifications	UL, CE, FCC, IC, UKCA, CSAUS
Safety compliance	CAT IV-600 V, CAT III-1000 V
(continued)	

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SPECIFICATIONS, CONT.

Standards	Safety (UL): IEC 61010-1:2010, IEC 61010-2-032:2012 EMC (FCC): 47 CFR Part 15 Subpart B EMC (CE): EN IEC 61326-1:2021 EN IEC 61326-2-2:2021 EN 301 489-1 V2.2.3 (2019-11) EN 301 489-17 V3.2.4 (2020-09) RF: ETSI EN 300 328 V2.2.2 EN 62479:2010 EN 50663:2017
Physical Data	
Dimensions (L × W × H)	330 mm × 175 mm × 28.45 mm (13 in × 6.89 in × 1.12 in)
Weight	233 g (0.51 lb) with batteries

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