

Product Datasheet - Technical Specifications



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P/N: CM94

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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 with any questions.



General description	
Part number	CM94
Part name	2000 A AC/DC Utility Clamp Meter
Description	True RMS AC/DC 2000 A Utility Clamp Meter with LoZ
Basic measurement capabilities	
Safety category rating	CAT IV-1000V
True RMS	Yes
Frequency	Yes
Resistance	Yes
Continuity	Yes
Diode test	Yes
Temperature	Thermocouple
Display	
Type	Segment display
Display	3-5/6 digits 6000 counts 3-1/2 digits 1999 counts for Hz
Backlight	Yes
Auto power off	34 minutes
Overload indication	"OL" or "-OL"
Low battery indication	Yes
Features	
Data hold	Yes
Relative DC zero	Yes
LoZ mode (Auto Range)	Yes
VFD	Yes
Jaw size	55 mm max.



FLIR CM94: 2000 A AC/DC Utility Clamp Meter

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Specifications	Range and resolution	Basic accuracy
AC current	200.0, 2000 A	[50 to 60 Hz] <ul style="list-style-type: none"> • 200.0 A $\pm(2.0\% + 5d)$ • 0 to 500 A $\pm(2.5\% + 5d)$ • 500 to 2000 A $\pm(3.0\% + 5d)$ [40 to 50 Hz & 60 to 400 Hz] <ul style="list-style-type: none"> • 200.0 A $\pm(2.5\% + 5d)$ • 0 to 500 A $\pm(3.0\% + 5d)$ • 500 to 1000 A $\pm(3.5\% + 5d)$ • 1000 to 2000 A (unspecified)
DC current	200.0, 2000 A	200.0 A $\pm(2.0\% + 5d)$ 0 to 500 A $\pm(2.5\% + 5d)$ 500 to 2000 A $\pm(3.0\% + 5d)$
AC voltage	6.000, 60.00, 600.0, 1000 V	$\pm(1.2\% + 5d)$
AC voltage (Digital Low Pass Filter - VFD)	6.000, 60.00, 600.0, 1000 V	[10 to 20 Hz] $\pm(4.0\% + 80d)$ [20 to 200 Hz] $\pm(2.0\% + 60d)$ [200 to 400 Hz] $\pm(7.0\% + 80d)$
LoZ mode AC voltage	6.000, 60.00, 600.0, 1000 V	$\pm(1.5\% + 5d)$
DC voltage	6.000, 60.00, 600.0, 1000 V	$\pm(0.5\% + 5d)$
LoZ mode DC voltage	6.000, 60.00, 600.0, 1000 V	$\pm(1.3\% + 5d)$
Frequency	40.00 to 400.0 Hz (ACA) 50.00 to 400.0 Hz (ACV)	$\pm(1\% + 5d)$
Resistance	600.0, 6.000 K, 60.00 K, 600.0 K, 6.000 M, 40.00 M Ω	[600.0, 6.000 K, 60.00 K Ω] $\pm(0.5\% + 5d)$ [600.0 K Ω] $\pm(0.8\% + 5d)$ [6.000 M Ω] $\pm(1.2\% + 5d)$ [40.00 M Ω] $\pm(2.3\% + 5d)$
Diode test	1.000 V	$\pm(1.0\% + 3d)$
Capitance	60.00 nF, 600.0 nF, 6.000 μ F 60.00 μ F, 6000.0 μ F 2000 μ F	$\pm(2.0\% + 5d)$ $\pm(3.5\% + 5d)$ $\pm(4.0\% + 5d)$
Temperature	-50 to 1000°C -58 to 1832°F	$\pm(0.3\% + 4d)$ $\pm(0.3\% + 6d)$
Continuity	10 to 200 Ω , 2 kHz buzzer	

General	
Operating temperature	-10 to +50°C Decreasing linearly to 50% RH at 40°C
Storage temperature	-20 to +60°C < 80% RH
Temperature coefficient	0.15 % spec acc (<18°C or >28°C)
Drop test	2 m
IP rating	IP40
Battery type	2x AA
Power consumption	Typical 14 mA for Current functions, and 5.2 mA for others
Size (L x W x H)	269 x 106 x 51 mm (10.6 x 4.2 x 2.0 in)
Weight	700 g (24.7 oz)
Box contents	Test lead set, quick start guide, manual, soft carrying pouch, banana plug K-type thermocouple



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General	
Warranty	https://www.flir.com/testwarranty
Certifications	UL, CE, CSA, RCM
EAN-13	0793950370940
UPC-12	793950370940
Country of origin	Taiwan

Technical support	
Website	http://support.flir.com

Supplies & accessories:

- TA15; Universal Soft Sided Case
- TA55; AC Current Line splitter
- TA60; Thermocouple probe with adapter
- TA70; CAT IV Insulated Alligator Probes
- TA80; CAT IV Silicone Test Leads