



# FLIR CM83 600A True RMS Power Clamp

The FLIR CM83 is an industrial-grade Power Clamp Meter engineered with advanced power analysis and VFD filtering functions required by electrical troubleshooters.

- VFD Mode provides superior accuracy for working on VFD-controlled equipment
- Advanced power efficiency and harmonics measurements for system level performance analysis
- Powerful Worklights not only assist with clamping but are bright enough to serve as a primary worklight
- FLIR Tools Mobile connects the FLIR CM83 to your compatible smartphone and tablet via Bluetooth\*
- METERLiNK® technology wirelessly integrates electrical readings on your infrared image with FLIR Thermal Cameras

**Features:**

- Voltage and Current, Bright White LED Backlight, Analog Bargraph, Power Factor, Phase Rotation, Integrated Non Contact Voltage Detector, Min, Max, Average, Auto Power Off, Data Hold, Relative, Peak Hold, DCA Zero, Battery Status

**Includes:**

- 6 AAA Batteries, User Manual/CD, CAT IV Silicon Test Leads and Limited Lifetime Warranty



TECHNICAL SUMMARY	RANGE	BASIC ACCURACY
AC/DC Current	600A	±2%
AC/DC Voltage	1000V	±1% / 0.7%
Harmonics	1st-25th Order	±5%
Total Harmonic Distortion	0.0 to 99.9%	±3%
Inrush Current	600ACA (Integration Time 100ms)	±3 %
Active Power	10kW to 600kW (10V, 5A min)	±3%
Diode Test	0.4 to 0.8V	±0.1V
Capacitance	3.999mF Max	±1.9%
Resistance	99.99kΩ Max	±1%
Continuity Threshold	30Ω	±1%
Frequency	20.00Hz to 9.999kHz	±0.5%



GENERAL INFORMATION	
Jaw Opening	1.45in (37mm, 1000MCM)
Category Rating	CAT IV-600V, CAT III-1000V
Bluetooth Range Max	32ft (10m)
Warranty	Limited Lifetime*

\* See [www.flir.com/test](http://www.flir.com/test) for latest compatibility information and more warranty details

**Ordering Information**

CM83 ..... 600A True RMS AC/DC Power Clamp  
 CM83-NIST..... CM83 with Certificate of Traceability to NIST  
 TAB0..... CAT IV Silicon Test Leads



Distribuito da:  
Zetalab s.r.l.



Via Castelfidardo, 11 - 35141 Padova  
 Telefono 049 2021144 - Fax 049 2021143  
 Internet: [www.zetalab.it](http://www.zetalab.it) - e-mail: [info@zetalab.it](mailto:info@zetalab.it)