



## 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 METERLiNK-enabled 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 silicone 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%

\* See [www.flir.com](http://www.flir.com) 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



**Asia Pacific Headquarters**  
 HONG KONG  
 FLIR Systems Co. Ltd.  
 Room 1613 – 16, Tower 2,  
 Grand Central Plaza,  
 No. 138 Shatin Rural Committee  
 Road, Shatin, New Territories,  
 Hong Kong  
 Tel. : +852 2792 8955  
 Fax : +852 2792 8952  
 Email : flir@flir.com.hk

**FLIR Systems (Shanghai) Co. Ltd.**  
 Head Office  
 Tel. : +86 21 5169 7628  
 Fax : +86 21 5466 0289  
 Email : info@flir.cn

**Beijing Representative Office**  
 Tel. : +86 10 5979 7755  
 Fax : +86 10 5907 3180  
 Email : info@flir.cn

**Guangzhou Representative Office**  
 Tel. : +86 20 8600 0559  
 Fax : +86 20 8550 0405  
 Email : info@flir.cn

**FLIR Systems Japan K.K.**  
 Tel. : +81 3 6277 5681  
 Fax : +81 3 6277 5682  
 Email : info@flir.jp

**FLIR Systems Korea Co., Ltd**  
 Tel. : +82 2 565 2714  
 Fax : +82 2 565 2718  
 Email : flir@flirkorea.com

**FLIR Systems Taiwan**  
 Representative Office  
 Tel. : +886 2 2757 9662  
 Fax : +886 2 2757 6723  
 Email : flir@flir.com.hk

**FLIR Systems India PVT. Ltd.**  
 Tel. : +91 11 4560 3555  
 Fax : +91 11 4721 2006  
 Email : flirindia@flir.com.hk

**FLIR Systems Australia Pty Ltd.**  
 Head Office (Vic)  
 Tel. : 1300 729 987  
 NZ : 0800 785 492  
 Fax : +61 3 9558 9853  
 Email : info@flir.com.au

**NSW Office**  
 Tel. : +61 2 8853 7870  
 Fax : +61 2 8853 7877  
 Email : info@flir.com.au

**WA Office**  
 Tel. : +61 8 6263 4438  
 Fax : +61 8 9226 4409  
 Email : info@flir.com



GENERAL INFORMATION	
Jaw opening	1.45in (37mm, 1000MCM)
Category rating	CAT IV-600V, CAT III-1000V
Bluetooth range Max	32ft (10m)
Warranty	Limited lifetime*