



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 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



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