

FLIR CM4X

Professional True RMS AC/DC
Clamp Meter Family with Accu-Tip™



The FLIR CM4X Clamp Meter Family includes three professional and affordable True RMS meters designed for commercial and residential electricians. The CM42 and CM44 feature AC clamp measurement, and the CM46 offers both AC/DC measurement to meet your unique needs. Each meter is equipped with a bright backlit display for ease of use inside electrical panels. Accu-Tip™ technology delivers amperage measurements on smaller-gauged wires more accurately – to a tenth of a digit. All models offer MAX/MIN/AVG recording, frequency measurement, and electrical field detection to help you determine voltage presence and relative strength of the field. Made with an over-molded, easy-to-grip design, the CM4X clamp meter family is durable enough to withstand a two-meter drop, and the slim form factor is convenient to carry in your toolbag anywhere you go.

Precise, accurate measurements

High accuracy and resolution in small panels

- Accu-Tip enables more accurate amperage measurements on smaller-gauged wires
- MAX/MIN/AVG recording, and frequency and diode measurement
- Data hold, zero function, and low pass filter for voltage measurement

Engineering you can have confidence in

Built rugged to last you for years to come

- Durable to withstand a 1-meter drop, and operates at -10 to 50°C (14 to 122°F)
- Large, bright backlit display makes readings easy to see
- Tough, over-molded, easy-to-grip design and slim, portable size

Professional performance at an affordable price

Provides all the critical features you need

- Built to accept up to a 30mm max conductor
- Electrical field detection determines if voltage is present and the relative strength of the field for safety
- True RMS professional clamp meters



Thermal scan of an electrical panel

Specifications

| Measurements | CM42 | CM44 | CM46 | Basic Accuracy |
|--|-----------------------------|------------------------------------|------------------------------------|----------------|
| DC Voltage | 600 V | 600 V | 600 V | ±1.0% |
| AC Voltage (Digital Low Pass Filter) | 600 V | 600 V | 600 V | ±1.0% |
| AC + DC Voltage (Digital Low Pass Filter) | — | — | 600 V | ±1.2% |
| Clamp-On AC Current (50-100 Hz) (100-400) | 400 A | 400 A | 400 A | ±1.8% ±2.0% |
| Accu-Tip Clamp-On AC Current | 60 A | 60 A | 60 A | ±1.5% |
| Clamp-On DC Current | — | — | 400 A | ±2.0% |
| Accu-Tip Clamp-On DC Current | — | — | 60 A | ±2.0% |
| Frequency | 50-400 Hz | 50-400 Hz | 50-400 Hz | ±1.0% |
| Resistance | 60 kΩ | 60 kΩ | 60 kΩ | ±1.0% |
| Capacitance | 2.0 V | 2500 μF | 2500 μF | ±2.0% |
| Diode | — | 2.0 V | 2.0 V | ±1.5% |
| DCμA | — | 2000 μA | 2000 μA | ±1.0% |
| Temperature | — | -40°C to 400°C (-40°F to 752°F) | -40°C to 400°C (-40°F to 752°F) | ±1.0% |
| General Meter | | | | |
| Display | 5/6 digits 6000 counts | | | |
| Operating Temperature | -10°C to 50°C | | | |
| Continuity | 10Ω < & < 250Ω | | | |
| Recording | Min / Max / Avg | | | |
| Backlight LCD | Yes | | | |
| Drop Test | 2m | | | |
| Certifications | UL , CE | | | |
| Category | CAT IV: 300V / CAT III 600V | | | |
| Jaw Opening | 30 mm Max | | | |
| NCV | Yes | | | |
| Warranty | Limited Lifetime | | | |
| Battery Type | 2x AAA | | | |

| Ordering Information | UPC |
|--|--------------|
| FLIR CM46 600V 400A AC/DC Digital TRMS Clamp Meter with Type K | 793950377550 |
| FLIR CM44 600V 400A AC Digital TRMS Clamp Meter with Type K | 793950377529 |
| FLIR CM42 600V 400A AC Digital TRMS Clamp Meter | 793950374207 |
| FLIR TA55 Line Splitter | 793950377550 |
| FLIR TA80 Premium Silicone Test Leads | 793950377802 |
| FLIR TA70 Alligator Clips | 793950377703 |
| FLIR TA60 Thermocouple Probe with Adapter | 793950377604 |

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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