



Product Function

Measurement of DC voltage, AC voltage, AC current true RMS, resistance, capacitance, frequency, on-off test, temperature, diode forward voltage drop and others parameters.

Product Features

1. The perfect combination of clamp meter and multimeter, compact structure, easy to operate, convenient to carry, which is an ideal tool for electrical measurement.
2. Current range: AC 600A, CT size: 27mm. The capacitance measuring range is extended to 10mF and the measuring speed of large capacitance is fast.

Technical Specification

| Model | EM6420 | | EM6420B | |
|-----------------------------|--|-----------|---|-----------|
| |  | |  | |
| DC Voltage | 400mV/4V/40V/400V/600V | ±(0.5%+5) | 400mV/4V/40V/400V/600V | ±(0.5%+5) |
| AC Voltage | 4V/40V/400V/600V | ±(1.2%+5) | 400mV/4V/40V/400V/600V | ±(1.2%+5) |
| DC Current | / | / | 400A/600A | ±(2%+10) |
| AC Current | 4A/40A/400A/600A | ±(2%+10) | 400A/600A | ±(2%+10) |
| Resistance | 100Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ | | ±(1%+5) | |
| Capacitance | 10nF/100nF/1uF/10uF/100uF/1000uF/10mF | | ±(3%+5) | |
| Frequency | 10Hz/100Hz/1kHz/10kHz/100kHz/1MHz/10mHz/40MHz | | ±(0.5%+3) | |
| Temperature | -50°C~1000°C | | ±(1%+4) | |
| Special function | | | | |
| Auto Range | √ | | | |
| Manual Range | √ | | | |
| AC Conversion Type | true RMS | | | |
| Input Protection | √ | | | |
| Auto Shutdown | about 10 minutes, can be set and cancel auto shutdown function | | | |
| Diode Test | Can measure the LED work voltage below 3V | | | |
| Duty Ratio Measurement | √ | | | |
| NCV (Live line) Measurement | √ | | | |
| Short Circuit Buzzer | √ | | | |
| *Surge Current | √(Only for B model) | | | |
| Low Voltage Indicator | √ | | | |
| Input Impedance | About 10MΩ | | | |
| Data Hold | √ | | | |
| Blue Backlight | √ | | | |
| CT Size | Φ27mm | | | |
| General features | | | | |
| Power Supply | DC3V alkaline dry battery (LR03 1.5V X2PCS) | | | |
| Weight | 230g (with battery) | | | |
| Meter Dimension | 213X80X35mm | | | |
| Accessories | Meter: 1pcs; Pen probe: 1set; Temperature sensor: 1pcs; Tester Bag: 1pcs; LR03 battery: 2PCS | | | |