



Specification

CM51A Clamp Meter



Numeric Display: 3 ^{3/4} digit, 4000 count LCD, maximum reading 4000, 12mm high.

Unit & Symbols: ~, A, DH, BAT, AUTO, APO & decimal point.

Operating principle: Dual Slope Integration.

Range selection: Autoranging.

Overrange indication: OL symbol is shown.

Battery warning: BAT symbol is shown.

Sampling rate: 2.5 times per second.

Display hold: Displays are held by DH key.

Overload protection: AC current; 400A AC (300V Line) for one minute.

Operating temperature & humidity: 0°C to 40°C, less than 80% RH.

Storage temperature & humidity: -10°C to 50°C, less than 70% RH.

Temperature coefficient: 0.1 x specified accuracy / °C for 0°C to 18°C & 28°C to 40°C.

Dielectric strength: 3.7kV AC for one minute (between case & metal parts).

Safety: EN 61010-1, EN 61010-2-032 Overvoltage Cat. III 300V, Class II.

EMC: EN 50082-1:01.92 & EN 55022:08.94 + A1:05.95 + A2:97

Power consumption: Approx. 5mW (100 hours continuous operation).

Power supply: One 3V CR2032 battery.

Auto power off: Power turns off automatically after 12 minutes.

Conductor diameters: Maximum 27mm

Dimensions & weight: 150 x 52 x 24mm, 110 grams.

MEASUREMENT SPECIFICATIONS

AC Current (~A)		Average Rectification	
Range	Resolution	Accuracy	Max. Input Current
40.00A	10mA	±1.8%rdg±5dgt	300A (Max. 300V)
300.0A	100mA		

Frequency Response: 50~60Hz. 0~0.4A add 5dgt

40Hz ~500Hz, add 1.5% to above accuracy.