

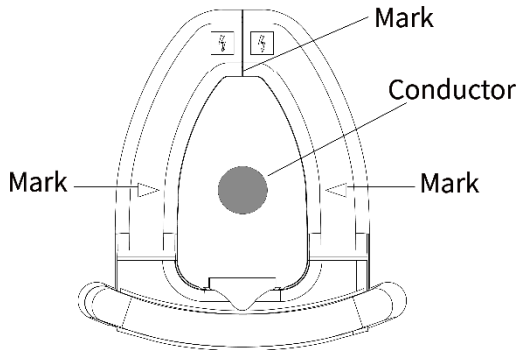


C6

DataSheet

600A AC Trms Clamp Meter

V. 1.0

**Caution:**

When measuring AC current, please place the conductor to be measured in the center of the clamp. If not, the position error of 1.5% to the maximum can be increased.

Electrical Specification**DC voltage**

Range	Resolution	Accuracy
6V	0.001V	± (0.5% reading+3 digits)
60V	0.01V	
600V	0.1V	

Input impedance: 10MΩ.

Maximum allowable input voltage: 600V DC or 600V AC RMS.

AC voltage

Range	Resolution	Accuracy
6V	0.001V	± (0.8% reading+5 digits)
60V	0.01V	
600V	0.1V	

Input impedance: 10MΩ.

Measuring frequency range: 40Hz~1000Hz.

Maximum allowable input voltage: 600V DC or 600V AC RMS.

AC current

Range	Resolution	Accuracy
6A	0.001A	± (2.5% reading+5 digits)
60A	0.01A	
600A	0.1A	

Minimum input value of AC current: 0.01A (RMS)

Maximum input value of AC current: 600A (RMS)

Frequency range: 40Hz~1000Hz

Resistance

Range	Resolution	Accuracy
600 Ω	0.1 Ω	$\pm (1.0\% \text{ reading} + 3 \text{ digits})$
6k Ω	0.001k Ω	
60k Ω	0.01k Ω	
600k Ω	0.1k Ω	
6M Ω	0.001M Ω	
60M Ω	0.01M Ω	$\pm (2.0\% \text{ reading} + 3 \text{ digits})$

Overload protection: 600V DC or 600V AC RMS.

Diode test

Range	Resolution	Accuracy
	0.001V	Displays the approximate value of the forward voltage drop (The open circuit voltage is about 3.0V)

Overload protection: 600V DC or 600V AC RMS.

Continuity test

Range	Resolution	Accuracy
	0.1 Ω	The buzzer will make a noise when it is $\leq 30 \Omega$ (Open circuit voltage is about 1V)

Overload protection: 600V DC or 600V AC RMS.

Capacitance

Range	Resolution	Accuracy
10nF	0.001nF	$\pm (3.0\% \text{ reading} + 5 \text{ digits})$
100nF	0.01nF	
1 μ F	0.1nF	
10 μ F	1nF	
100 μ F	0.01 μ F	
1mF	0.1 μ F	$\pm (4.0\% \text{ reading} + 5 \text{ digits})$
10mF	0.001mF	
100mF	0.01 mF	$\pm (5.0\% \text{ reading} + 5 \text{ digits})$

Overload protection: 600V DC or 600V AC RMS.

Frequency

Range	Resolution	Accuracy
10Hz	0.001Hz	± (0.5% reading+5 digits)
100Hz	0.01Hz	
1kHz	1Hz	
10kHz	0.01kHz	
100kHz	0.1kHz	
1MHz	0.001MHz	
10MHz	0.01MHz	

Frequency measurement range: 10Hz ~ 10MHz

Signal input: >200mVAC (RMS)

Overload protection: 600V DC or 600V AC RMS.

Duty ratio

Range	Resolution	Accuracy
1~99 %	0.1%	± (3.0% reading+2 digits)

Overload protection: 600V DC or 600V AC RMS.

Temperature

Range	Resolution	Accuracy
-20°C~1000°C (-4°F~1832°F)	1°C/1°F	± (1.0% reading+2 digits)

Overload protection: 600V DC or 600V AC RMS.

General Specification

- Automatic selection of the measuring range of the measuring function.
- Full range overload protection.
- The maximum allowable voltage between the measuring end and the ground: 600V DC or 600V AC.
- CAT III 600V
- Working height: the maximum altitude is 2000m.
- Display: LCD.
- Maximum display value: 5999.
- Polarity indication: automatic indication, "-" indicates negative polarity.
- Over range display: "OL" or "-OL".
- Sampling time: about 3 times/second, about 10 times/second for simulation strip.
- Unit display: display of function and electricity unit.
- Automatic shutdown period: about 10 minutes.
- Power supply: 1.5V SIZE AAA battery × 3。
- Data hold displayed as: '  '.
- Battery undervoltage indication: " " displayed on the LCD.
- Temperature coefficient: less than $0.1 \times \text{Accuracy}/^{\circ}\text{C}$.
- Maximum jaw opening size: 23 mm.
- Working temperature: $5^{\circ}\text{C} \sim 35^{\circ}\text{C}$.
- Storage temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$.



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