



DATASHEET

C128 PRO

1000A AC/DC Clamp Meter

1500V DC

1000V AC

Specification

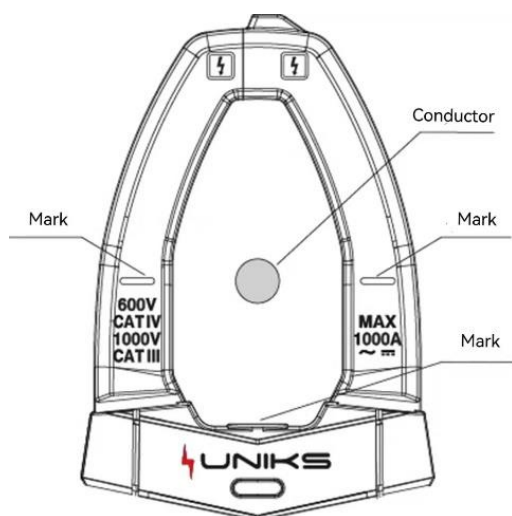
The meter should specify one year as a cycle to re-calibrate in the conditions of 18°C ~ 28°C and relative humidity less than 75%.

Overview

- CAT IV 600V CAT III 1000V
- Auto and Manual Range
- Overload protection for the whole measurement range.
- Maximum allowable voltage between the measuring terminal and the ground: 1500V DC or 1000V AC
- Work height: maximum 2000m
- Display: LCD
- Maximum display value: 6000 digit.
- Polar indication: automatically indicate, '-' means negative polarity
- Over range Indication: 'OL' or '-OL'
- Sampling time: about 3 times/s, analog strip 10 times/s.
- Unit display: with function and quantity of electricity unit display
- Automatic Power off time: 10 minutes
- Power supply: 1.5V AAA battery ×3
- Battery low voltage indication: LCD display  symbol
- Temperature coefficient: < 0.1×accuracy degree/°C
- Working temperature: 0°C ~ 50°C
- Storage temperature: -10°C ~ 50°C

Technical Index

When measuring current, place the conductor to be measured in the center of the clamp head. If not, it can increase $\pm 1.5\%$ position deviation to the maximum



AC Current TRMS

Range	Resolution	Accuracy
60A	0.01A	± (2.5% reading +8 digits)
600A	0.1A	
1000A	1A	

- C128 Model: Minimum input value of AC current: 0.1A (RMS)
- C126 Model: Minimum input value of AC current: 0.01A (RMS)
- Maximum input value of AC current: 1000A (RMS)
- Frequency range: 45Hz ~ 1000Hz

DC current

Range	Resolution	Accuracy
60A	0.01A	± (3.0% reading +10 digits)
600A	0.1A	
1000A	1A	

- Minimum input value of DC current: 60mA
- Maximum input value of DC current: 1000A

AC Voltage TRMS

Range	Resolution	Accuracy
6V	0.001V	± (0.8% reading +5 digits)
60V	0.01V	
600V	0.1V	
1000V	1V	± (1.0% reading +5 digits)

- Minimum input value of AC voltage: 1mV (RMS)
- Maximum input value of AC voltage: 1000V (RMS)
- Frequency range: 45Hz ~ 1000Hz

DC Voltage

Range	Resolution	Accuracy
6V	0.001V	± (0.5% reading +5 digits)
60V	0.01V	
600V	0.1V	
1500V	1V	

- Minimum input value of DC voltage: 1mV
- Maximum input value of DC voltage: 1500V

Current frequency

Range	Resolution	Accuracy
100Hz	0.01Hz	± (1.0% reading +5 digits)
1000Hz	0.1Hz	
10kHz	0.001kHz	

- Frequency input range: 10Hz ~ 10kHz
- Input signal range: $\geq 30\text{A}$ AC current (RMS)

Voltage Frequency:

Range	Resolution	Accuracy
100Hz	0.01Hz	± (1.0% reading +5 digits)
1000Hz	0.1Hz	
10kHz	0.001kHz	

- Frequency input range: 10Hz ~ 10kHz
- Input signal range: $\geq 0.8\text{V}$ AC voltage (RMS)

Continuity

Range	Resolution	Functions
•	1Ω	If the resistance of circuit being measured is less than 50Ω, then the beeper in the meter may sound

- Overload protection: 1500V DC or 1000 AC (RMS)

Diode

Range	Resolution	Functions
2.000V	0.001V	Displays approximate value of diode forward voltage drop

- Overload protection: 1500V DC or 1000 AC (RMS)

Resistance

Range	Resolution	Accuracy
600Ω	0.1Ω	±(1.0% reading +3 digits)
6kΩ	0.001kΩ	
60kΩ	0.01kΩ	
600kΩ	0.1kΩ	
6MΩ	0.001MΩ	
60MΩ	0.01MΩ	±(1.2% reading +30 digits)

- Overload protection: 1500V DC or 1000 AC (RMS)

Capacitance

Range	Resolution	Accuracy
60.00nF	0.01nF	± (4.0% reading +3 digits)
600.0nF	0.1nF	
6.000uF	1nF	
60.00uF	10nF	
600.0uF	100nF	
6.000mF	1uF	± (5.0% reading +5 digits)
60.00mF	10uF	

- Overload protection: 1500V DC or 1000 AC (RMS)

Temperature

Range	Resolution	Accuracy
-20 ~ 1000°C (-4 ~ 1832°F)	1°C/2°F	± (2.0% reading +2 digits)

- Overload protection: 1500V DC or 1000 AC (RMS)



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