



DataSheet

C126

1000A AC TRMS CLAMP

METER

C128

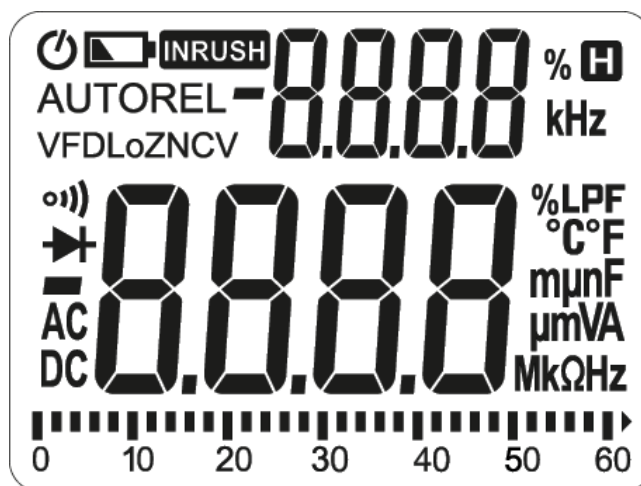
1000A AC/DC TRMS CLAMP







METER

Function indication

OFF	Meter OFF position
1000\bar{A}	1000A range (C126 AC and C128 AC/DC)
60-600\bar{A}	60A/600A range (C126 AC and C128 AC/DC)
NCV	Non-contact voltage detection
VFD_{Hz} \bar{V}	AC/ DC Voltage measurement
VLoZ	Low resistance voltage measurement
o)) / \rightarrow	Continuity / Diode Test
Ω / \bar{H}	Resistance / Capacitance measurement
$^{\circ}C$ - $^{\circ}F$	Temperature measurement

LCD display




	Automatic shutdowns indicate
	Battery low voltage indication
INRUSH	inrush current measurement mode
AUTO	Automatic range mode
REL	Relative measurement mode
VFD	Low pass filter enable prompt
LoZ	Low-impedance measurement mode
NCV	Non-contact voltage detection
	Continuity
	Diode measurement tips
	data negative sign
DC、AC	DC、AC
	Readings hold status
%	Duty cycle symbol
Hz、kHz	Hertz, Kilohertz
°C、°F	°C、°F
nF、μF、mF	Capacitance unit: nF、μF、mF
mA、A	Current value unit: mA、A
mV、V	Voltage value unit: mV、V
Ω、kΩ、MΩ	Ohm, Kiloohm, Megohm (resistance)

Specification

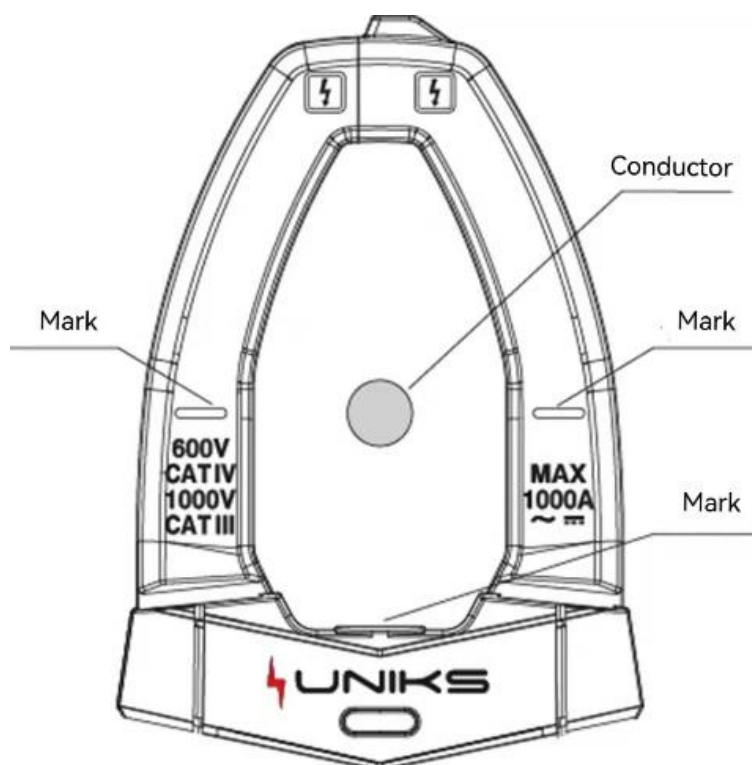
The meter should specify one year as a cycle to re-calibrate in the conditions of 18°C ~ 28°C and relative humidity less than 75%.

Overview

- Auto and Manual Range
- Overload protection for the whole measurement range.
- Maximum allowable voltage between the measuring terminal and the ground: 1000V DC or 1000V AC
- Work height: maximum 2000m
- Display: LCD
- Maximum display value: 6000 digits.
- Polar indication: automatically indicate, '-' means negative polarity
- Over range Indication: '0L' or '-0L'
- 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: <math> < 0.1 \times \text{accuracy degree} / ^\circ\text{C}</math>
- Working temperature: 18°C ~ 28°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	$\pm (2.5\% \text{ reading} + 8 \text{ digits})$
600A	0.1A	
1000A	1A	

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

DC current (only C128 model)

Range	Resolution	Accuracy
60A	0.01A	$\pm (3.0\% \text{ reading} + 10 \text{ digits})$
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	$\pm (0.8\% \text{ reading} + 5 \text{ digits})$
60V	0.01V	
600V	0.1V	
1000V	1V	$\pm (1.0\% \text{ reading} + 5 \text{ digits})$

- 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	
1000V	1V	

- Minimum input value of DC voltage: 1mV
- Maximum input value of DC voltage: 1000V

Frequency / Duty Cycle**Current frequency**

Range	Resolution	Accuracy
100Hz	0.01Hz	± (1.0% reading +5 digits)
1000Hz	0.1Hz	
10kHz	0.001kHz	
1%-99%	0.1%	± (3.0% reading +2 digits)

- Frequency input range: 10Hz ~ 10kHz
- Input signal range: ≥ 30A AC current (RMS)

Voltage Frequency:

Range	Resolution	Accuracy
100Hz	0.01Hz	± (1.0% reading +5 digits)
1000Hz	0.1Hz	
10kHz	0.001kHz	
1%-99%	0.1%	± (3.0% reading + 2 digits)

- Frequency input range: 10Hz ~ 10kHz
- Input signal range: ≥ 0.8V 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: 1000V DC or AC (RMS)

Diode

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

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

Temperature

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

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



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