



DataSheet

SKILL

AUTOMATIC TRMS

1000A AC/DC

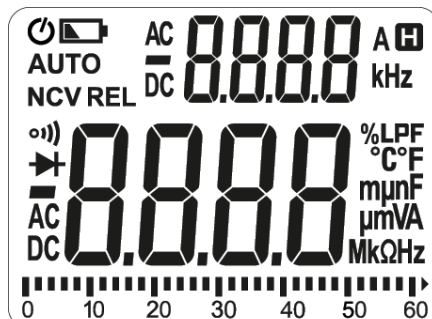
CLAMP METER

Instructions to rotary switch

OFF Meter OFF position

AUTO Automatic range measurement mode

LCD display



| | |
|---------|---------------------------------|
| | Automatic shutdown indicate |
| | Battery low voltage indication |
| AUTO | Auto range |
| REL | Relative measurement mode |
| NCV | Non-contact voltage detection |
| | Connected disconnect indicate |
| | Diode measurement mode |
| | data negative sign |
| DC、AC | DC、AC |
| | Readings hold status |
| % | Duty cycle symbol |
| Hz、kHz | Hertz, KiloHertz |
| LPF | low pass filter indicator |
| mA、A | Current value unit: mA、A |
| mV、V | Voltage value unit: mV、V |
| Ω、kΩ、MΩ | Ohm,Kilohm, Megohm (resistance) |

Specification

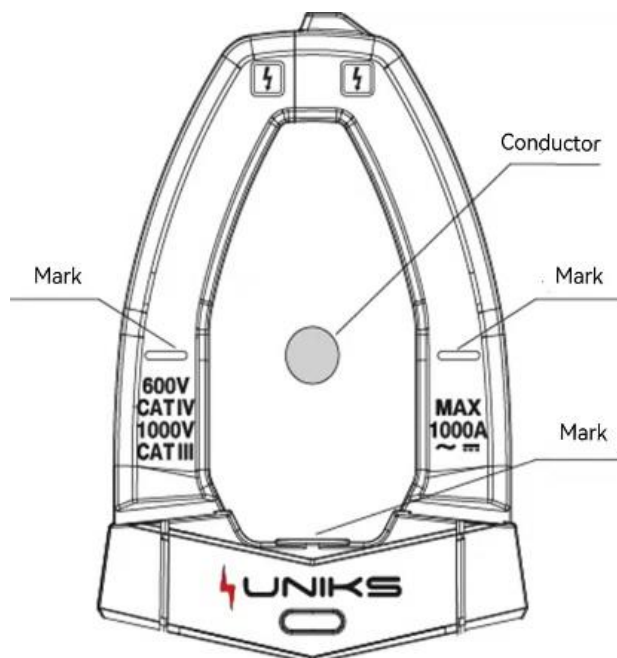
The meter should specify one year as a cycle to re-calibrate in the conditions of 18°C ~ 28°C and relative humidity less than 75%

Overview

- Automatically select measurement function and range
- Overload protection for the whole measurement range. ◦
- Maximum allowable voltage between the measuring terminal and the ground: 600V DC or 600V AC.
- Work height: maximum 2000m
- Display: LCD
- Maximum display value: 6000 digits.
- 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: 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: 0.5A (RMS)
- Maximum input value of AC current: 1000A (RMS)
- Frequency range: 45Hz ~ 65Hz

DC current

| 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: 0.5A
- 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 | |

- Minimum input value of AC voltage: 1.0V (RMS)
- Maximum input value of AC voltage: 600V (RMS)
- Frequency range: 45Hz ~ 65Hz

DC Voltage

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

- Minimum input value of DC voltage: 0.5V
- Maximum input value of DC voltage: 600V

Frequency**Clamp head frequency measurement (Via gear A) :**

| Range | Resolution | Accuracy |
|--------|------------|----------------------------|
| 60Hz | 0.1Hz | ± (1.0% reading +5 digits) |
| 1000Hz | 1Hz | |

- Frequency input range: 40Hz ~ 1000Hz
- Input signal range: ≥ 2A AC current (RMS)

Pass V position:

| Range | Resolution | Accuracy |
|--------|------------|----------------------------|
| 60Hz | 0.1Hz | ± (1.0% reading +5 digits) |
| 1000Hz | 1Hz | |

- Frequency input range: 40Hz ~ 1000Hz
- Input signal range: ≥ 1.0V AC voltage (RMS)

Resistance

| Range | Resolution | Accuracy |
|-------|------------|----------------------------|
| 6kΩ | 0.001kΩ | ±(0.8% reading +3 digits) |
| 60kΩ | 0.01kΩ | |
| 600kΩ | 0.1kΩ | |
| 6MΩ | 0.001MΩ | |
| 10MΩ | 0.01MΩ | |

- Overload protection: 600V DC or AC (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: 600V DC or AC (RMS)



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