



Specification

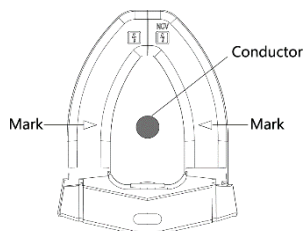
The meter should specify one year as a cycle to re-calibrate in the conditions of 18°C ~ 28°C and relative humidity less than 75%.

Overview

- Automatically select measurement function and range.
- Overload protection for the whole measurement range.
- Maximum allowable voltage between the measuring terminal and the ground : 1000V DC or 1000V AC. CAT II 1000V and CAT III 600V
- Work height: < 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
- 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 /°C
- Working temperature : 18°C ~ 28°C
- Storage temperature : -10°C ~ 50°C

Technical Index

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



AC Current

Range	Resolution	Accuracy
60A	0.01A	$\pm (2.5\% \text{ reading} + 5 \text{ digits})$
600A	0.1A	

- Minimum input value of AC current : 0.1A (rms)
- Maximum input value of AC current : 600A (rms)
- Frequency range: 45Hz ~ 1000Hz

AC Voltage

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	$\pm (0.5\% \text{ reading} + 5 \text{ digits})$
60V	0.01V	
600V	0.1V	
1000V	1V	

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

Frequency / Duty

By A Range(from current clamp):

Range	Resolution	Accuracy
100Hz	0.01Hz	$\pm (1.0\% \text{ reading} + 5 \text{ digits})$
1000Hz	0.1Hz	
10kHz	0.001kHz	

- Frequency input rang: 10Hz ~ 10kHz

- Input signal range: $\geq 25A$ AC current (rms)

By V Range:

Range	Resolution	Accuracy
100Hz	0.01Hz	$\pm (1.0\% \text{ reading} + 5 \text{ digits})$
1000Hz	0.1Hz	
10kHz	0.001kHz	
100kHz	0.01kHz	
500kHz	0.1kHz	

- Frequency input range: 10Hz ~ 500kHz

- Input signal range: $\geq 0.8V$ AC voltage (rms)

By Hz/%Range:

Range	Resolution	Accuracy
10Hz	0.001Hz	$\pm (0.5\% \text{ reading} + 5 \text{ digits})$
100Hz	0.01Hz	
1kHz	1Hz	
10kHz	10Hz	
100kHz	100Hz	
1MHz	1kHz	
10MHz	10kHz	$\pm (3.0\% \text{ reading} + 2 \text{ digits})$
1%-99%	0.1%	

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

- Input signal range: $\geq 0.8V$ AC voltage (rms)

Continuity

Range	Resolution	Functions
•	1 Ω	If resistance is lower than 30 Ω , then the beeper in the meter may sound. The circuit voltage is about 1V.

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

Diode

Range	Resolution	Functions
3V	0.001V	Displays approximate value of diode forward voltage Forward voltage. The circuit voltage is about 3V.

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

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	$\pm(2.0\% \text{ reading} + 3 \text{ digits})$
60M Ω	0.01M Ω	

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

Capacitance

Range	Resolution	Accuracy
6.000nF	0.001nF	± (4.0% reading +5 digits)
100.0nF	0.1nF	
1.000uF	1nF	
10.00uF	10nF	
100.0uF	100nF	
1.000mF	1uF	
10.00mF	10uF	± (4.0% reading +5 digits)
100mF	100uF	± (5.0% reading +5 digits)

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

Temperature

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

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