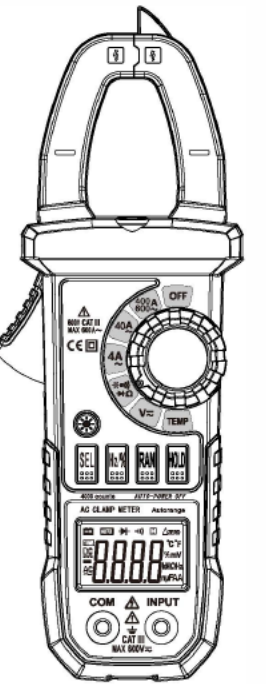


DIGITAL CLAMP METER



Users Manual

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

-1-

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

-2-

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

-3-

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

-4-

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

-5-

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

-6-

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

-7-

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

-8-

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

DIGITAL CLAMP METER	
Safety Information	1
Safety Symbols	1
Warning	1
Maintenance	2
Introduction	3
Description	3
Panel Description	5
Operation	7
Accuracy Specification	13
General Specifications	16
Auto power off	17
Replace battery	17
Accessory	18

-9-

DIGITAL CLAMP METER

AC Voltage Measurement

1. Plug the black test lead into the COM terminals and the red test lead into the INPUT terminals
 2. Set the rotary switch to V \approx , press SEL button switch to AC voltage. Connect the test leads across with the object being measured..
 3. The measured value shows on the display
- warning!**
- △To avoid harms to you or damages to the Meter from electric shock

DIGITAL CLAMP METER

AC Current Measurement

1. Set the rotary switch to proper current range.
2. Press the lever to open the transformer jaws, center the conductor within the transformer jaw. Please only measure one conductor each time.
3. The measured value shows on the display.

DIGITAL CLAMP METER

warning!

- △Select the highest range if the value scale to be measured is unknown, then adjust the rotary switch until get satisfactory resolution.
- △To avoid harms to you or damages to the Meter when measuring exposed conductor.

DIGITAL CLAMP METER

Measuring Resistance

1. Plug the black test lead into the COM terminals and the red test lead into the INPUT terminals
2. Set the rotary switch to Ω , press SEL button switch to Ω . Connect the test leads across with the object being measured.
3. The measured value shows on the display

DIGITAL CLAMP METER

warning!

- △At the manual range mode, when only 'OL' is shown on the LCD, it means the measurement has exceeded the range. A higher range should be selected.
- △When measuring in-circuit resistance, make sure that the power of the circuit under test has been turned off and that all capacitors have been fully discharged.

DIGITAL CLAMP METER

Measuring Diode

1. Plug the black test lead into the COM terminals and the red test lead into the INPUT terminals
2. Set the rotary switch to \rightarrow , press SEL button switch to \rightarrow . Connect the test leads across with the object being measured (Connect the red test lead to the anode and the black test lead to the cathode of the diode).
3. The Measured value shows on the display

DIGITAL CLAMP METER

Testing for Continuity

1. Plug the black test lead into the COM terminals and the red test lead into the INPUT terminals
2. Set the rotary switch to \rightarrow , press SEL button switch to \rightarrow . Connect the test leads across with the object being measured.
3. The buzzer sounds if the resistance of a circuit under test is less than 60 Ω . The buzzer does not sound if the resistance of a circuit under test is higher than 120 Ω .

DIGITAL CLAMP METER

Measuring Capacitance

1. Plug the black test lead into the COM terminals and the red test lead into the INPUT terminals

DIGITAL CLAMP METER

2. Set the rotary switch to \rightarrow , press SEL button switch to \rightarrow .

2. Set the rotary switch to \rightarrow , press SEL button switch to \rightarrow . Connect the test leads across with the object being measured.
3. The Measured value shows on the display

DIGITAL CLAMP METER

warning!

- △When LCD display 'OL', select higher range to measure
- △When measuring in-circuit capacitance, make sure that the power of the circuit under test has been turned off and that all capacitors have been fully discharged.

DIGITAL CLAMP METER

Measuring temperature

1. Set the rotary switch to \rightarrow .
2. LCD Display Ambient temperature.
3. If required, plug thermocouple's (K TYPE) red terminal into INPUT terminal and black terminal into COM terminal, measure object surface or around temperature with thermocouple's probe
4. The Measured value shows on the display.

DIGITAL CLAMP METER

Measuring frequency、duty

1. Plug the black test lead into the COM terminals and the red test lead into the INPUT terminals

DIGITAL CLAMP METER

2. Set the rotary switch to V \approx , press Hz% button switch to Hz or DUTY mode.

2. Set the rotary switch to V \approx , press Hz% button switch to Hz or DUTY mode. Connect the test leads across with the object being measured.
3. The Measured value shows on the display

DIGITAL CLAMP METER

Accurate Specifications

- Accuracy: (a% reading + b digits), guarantee for 1 year
- Operating temperature: 18℃~28℃
- Relative humidity: 75%RH
- Temperature coefficient: 0.1x(specified accuracy)/1℃

DIGITAL CLAMP METER

DC Voltage

- Input impedance : 10M Ω
- Max input Voltage : 600V DC or 600V AC Peak.

DIGITAL CLAMP METER

AC Voltage

Range	Resolution	Accuracy
400mV	0.1mV	$\pm (0.8\% \text{ reading} + 2\text{digits})$
4V	1mV	
40V	10mV	
400V	0.1V	$\pm (1.2\% \text{ reading} + 10\text{digits})$
600V	1V	

DIGITAL CLAMP METER

Input impedance : 10M Ω

DIGITAL CLAMP METER

Frequency response : 40Hz~400Hz

DIGITAL CLAMP METER

Max input Voltage : 600V DC or 600V AC Peak.

DIGITAL CLAMP METER

DC Voltage

Range	Resolution	Accuracy
400mV	0.1mV	$\pm (0.8\% \text{ reading} + 2\text{digits})$
4V	1mV	
40V	10mV	
400V	0.1V	$\pm (1.0\% \text{ reading} + 2 \text{ digits})$
600V	1V	

DIGITAL CLAMP METER

Input impedance : 10M Ω

DIGITAL CLAMP METER

Max input Voltage : 600V DC or 600V AC Peak.

DIGITAL CLAMP METER

AC Current

Range	Resolution	Accuracy
4A	0.001A	$\pm (3.5\% \text{ reading} + 20\text{digits}) \leq 0.5A$
40A	0.01A	
400A	0.1A	
600A	1A	$\pm (1.5\% \text{ reading} + 5 \text{ digits})$

DIGITAL CLAMP METER

Frequency response : 50Hz~60Hz

DIGITAL CLAMP METER

Max Input Current: Full Range×120% and measuring time less than 60 seconds .

DIGITAL CLAMP METER

Resistance

Range	Resolution	Accuracy
400 Ω	0.1 Ω	$\pm (1.2\% \text{ reading} + 2\text{digits})$
4k Ω	0.001k Ω	
40k Ω	0.01k Ω	
400k Ω	0.1k Ω	$\pm (2.0\% \text{ reading} + 5\text{digits})$
4M Ω	0.001M Ω	
40M Ω	0.01M Ω	

DIGITAL CLAMP METER

Overloading protection: 600V DC or 600V AC peak

DIGITAL CLAMP METER

AC Current

Range	Resolution	Accuracy
4A	0.001A	$\pm (3.5\% \text{ reading} + 20\text{digits}) \leq 0.5A$
40A	0.01A	
400A	0.1A	
600A	1A	$\pm (1.5\% \text{ reading} + 5 \text{ digits})$

DIGITAL CLAMP METER

Frequency response : 50Hz~60Hz

DIGITAL CLAMP METER

Max Input Current: Full Range×120% and measuring time less than 60 seconds .

DIGITAL CLAMP METER

Resistance

Range	Resolution	Accuracy
400 Ω	0.1 Ω	$\pm (1.2\% \text{ reading} + 2\text{digits})$
4k Ω	0.001k Ω	
40k Ω	0.01k Ω	
400k Ω	0.1k Ω	$\pm (2.0\% \text{ reading} + 5\text{digits})$
4M Ω	0.001M Ω	
40M Ω	0.01M Ω	

DIGITAL CLAMP METER

Overloading protection: 600V DC or 600V AC peak

DIGITAL CLAMP METER

Capacitance

Range	Resolution	Accuracy
40nF	0.01nF	$\pm (3.0\% \text{ reading} + 10 \text{ digits})$
400nF	0.1nF	
4uF	0.001uF	
40uF	0.01uF	$\pm (3.0\% \text{ reading} + 10 \text{ digits})$
100uF	0.1uF	

DIGITAL CLAMP METER

Overloading protection: 600V DC or 600V AC peak

DIGITAL CLAMP METER

frequency、duty

Range	Resolution	Accuracy
50Hz	0.01Hz	$\pm (1.0\% \text{ reading} + 3\text{digits})$