DIGITAL CLAMP METER



Users Manual

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 =, press SEL button switch to AC voltage. Connect the test leads across with the object being

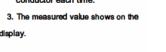
△To avoid harms to you or damages to the Meter from eletric shock

3. The measured value shows on the display warning!

AC Current Measurement 1. Set the rotary switch to proper

2. Press the lever to open the transformer jaws, center the conductor within the transformer jaw. Please only measure one

conductor each time.





DIGITAL CLAMP METER

DIGITAL CLAMP METER Safety Information page on a production of the control Safety Symbols -----Warning -----Maintance Maintenance ----- 2 Introduction Description -----Panel Description ----- 5 Operation 0 Accuracy Specification ----- 13 General Specifications Auto power off 17 Replace battery Accessory

DIGITAL CLAMP METER

warning! △Select the highest range if the value scale to be measured is unknown, then asjust the rotary switch until get satisfactory resolution. Δ To avoid harms to you or damages to the Meter when measuring

exposed coductor.

Measuring Resistance

warning!

I. Plug the black test lead into the COM

2. Set the rotary switch to ♣ , press

SEL button switch to Ω , Connect the test

leads across with the object being

3. The measured value shows on the

△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

∆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

-9-

SEL button switch to 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

Testing for Continuity

Plug the black test lead into the CON terminals and the red test lead into the INPUT terminals

2. Set the rotary switch to ((a)), press SEL button switch to 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 The buzzer may or may not sounds if the resistance of a circuit under test is between 60 Ω to 120 Ω . The buzzer does not sound if the resistance

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

Safety Information

This meter is designed and manufactured according to the safety requirements set out by the IEC81010-1 standards for electronic test instruments and the hand-hold digital multimeters. Its design and manufacture is strictly based on the provisions in the CAT III 600V of IEC61010-1 and the Stipulation of 2-Pollution

Safety Symbols Risk of danger. Important information. See manual.

DIGITAL CLAMP METER

Hazardous voltage

- Application around and removal from Hazardous Live conductors is Double insulated ((Protection dass II))
- Earth ground

- To avoid possible electric shock, personal injury, or death, read the following before using the Meter: Use the test leads supplied to ensure operation safety. If required, they must
- be replaced with test leads of the same model or class. Inspect the test leads before use. Do not use them if insulation is damaged or metal is exposed. Check the test leads for continuity. Replace damaged test
- Do not touch the metal tips of the test leads when the meter is connected to the circuit to be measured.
- When Voltage > 60 V dc or ac peak .keep your fingers behind the finger

leads before using, Do not use the Meter if it appears damaged.

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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 for press

3. The Measured value shows on the

of a circuit under test is higher than 120 Ω .

Measuring Capacitance

-10-

Warning

been fully discharged.

Measuring temperature

1. Set the rotary switch to °C .

COM terminal, measure object

surface or around temperature

4. The Measured value shows on the

Measuring frequency , duty

the INPUT terminals

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

-11-

with thermocouple's probe

ground exceeds 600V.

selector to change functions.

2. Set the rotary switch to ♣ , press SEL button switch to ♣ Connect the test leads across with the object being measured.

-2-

3. The Measured value shows on the display Accurate Specifications

DIGITAL CLAMP METER

DIGITAL CLAMP METER

Verify the Meter's operation by measuring a known voltage before and after

using it. Do not use the Meter if it operates abnormally. Select the highest

range if the value scale to be measured in the manual range is unknown.

Do not take voltage measurement if the value between the terminals and earth

Disconnect the test leads from the circuit under test before turning the rotary

Disconnect circuit power and discharge all high voltage capacitors before

Do not store or use the meter in areas exposed to direct sunlight, at high

Before opening the rear of the meter, disconnect test leads from all sources of

Use damp doth and mild detergent to clean the meter, do not use abrasives or

Whenever it is likely that safety protection has been impaired, make the Meter

inoperative and secure it against any unintended operation.

Have the Meter serviced only by qualified service personnel

testing resistance, continuity, diodes, or capacitor.

temperature or with high relative humidity.

Do not touch live circuit or exposed metal

MAINTENANCE

Accuracy: (a% reading + b digits), guarantee for 1 year Δ When LCD display 'OL', select highter range to measure Operating temperature: 18℃~28℃ Relative humidity: 75%R.H Δ When measuring in-circuit capacitance, make sure that the power of

Temperature coefficient: 0.1x(specified accuracy)/1°C the circuit under test has been turned off and that all capacitors have



cause 1.5% posion error in A

DIGITAL CLAMP METER

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This meter 3 3/4 digits with steady operations, fashionable

structure and highly reliable measuring instrument. The Meter uses large

scale of integrated circuit with double integrated A/D converter as its core

The meter can perform measurements of AC current, AC/DC voltage,

Designed to pick up the AC current flowing through the conductor.

Press 'hold' button the meter stop updating the LCD panel,

LCD display , press the button again, the meter exit hold

Under Voltage, resistance measurement mode, the default mode is

autorange, press RAN button switch to manual range; while in manual

range mode changes the full-scale range, press this button more

2. Set the rotary switch to V =, press Hz% button switch to Hz or DUTY

mode. Connect the test leads across with the object being measured.

-12-

To protect user's hand from touching the dangerous area.

resistance, capacitance as well as continuity and diode test.

and hasfull range overload protection.

1. Transformer Jaws:

2. Hand Guards:

3. Rotary Switch

4.HOLD button

Select proper Range and function.

5.RAN auto/manual Range button

than 2 seconds ,the meter switch to autorange.

3. The Measured value shows on the display

Description

6. LCD Screen

Max Display 3999

7. INPUT Terminals

8. COM Terminals

Diode to continuty

11.Back light

Input positive terminals for all measurement except current

Input common terminals for all measurement except current

Under AC voltage measurement, press Hz% button to Select a

In voltage mode , press SEL button to toggle from DCV to ACV; in

Press * * "button to open the backlight and work light.

about 15 seconds will automatically shut down, to trigger

press the lever to open the transformer jaws. When the pressure on

Switch rotary switch to current position, then turn on lighting Bulb and

mode .it is used to select a fuction from resistance.capacitance.

9. Hz% Frequency and duty Switch Button

measurement .connected with red test leads.

measurement, connected with black test leads

function from voltage.frequency to duty.

the lever is released, the jaws will close.

13. Transformer Jaws Lighting Bulb

10.SEL: Function selecting button

DIGITAL CLAMP METER DC Voltage

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Range Resolution Accuracy 400mV 0.1mV (0.8% reading + 2digits) 4V 1mV 40V 10mV 400V 0.1V 1V ± (1.0% reading +2 digits)

Input impedance : $10M\Omega$. Max input Voltage: 600V DC or 600V AC Peak.

Resolution Accuracy 400mv 0.1mV 4V 1mV (1.0% reading + 10digits) 40V 10mV 400V 0.1V 600V 1V ± (1.2% reading + 10digits)

-13-

Input impedance: $10M\Omega$.

Frequency response: 40Hz~400Hz Max input Voltage: 600V DC or 600V AC Peak.

(13) Lamp.

clamp head open, automatic closure.

9Hz/% frequency dutycycle button.

(10) The SEL function conversion key.

Backlight and working lamp button.

(12) clamp head trigger: pressing the button to loosen the

Panel Description

①Clamp head: AC

currenttransforme

@Protection device: the

design of the protection of

touching the dangerous

③Measurement function

4 The HOLD data hold

⑤The RAN manual /

automatic switch of a

6The display screen.

The red pen input.

®The black pen input.

selection turntable

the user's hand to avoid (13)

AC Current Accuracy ± 6.5% reading + 20digits) ≤ 0.5A 0.001A ± (3.0% reading +10 digits) \pm (3.0 % reading +10 digits) \leq 5A 40A 0.01A ± (2.5% reading + 10 digits) 400A 0.1A ± (2.5% reading + 10 digits) 600A 1A ± (1.5% reading + 5 digits)

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SEL FEX FAN FOLD

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LCD Screen

). Low battery indicator

The on off detecting indicator.

5). The data retention indicator.

The measurement results show.

The unit of measurement indicator

(7). The DC signal measurement indicator.

(3). The LED indicator.

Negative indicator.

AC signal indicator.

2). The automatic range indicator.

Frequency response: 50Hz~60Hz

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

Resistance

Range	Resolution	Accuracy	
400Ω	0.1Ω		
4kΩ	0.001kΩ	$\pm (1.2\%$ reading+ 2digits)	
40kΩ	0.01kΩ		
400kΩ	0.1kΩ		
4ΜΩ	0.001ΜΩ		
40ΜΩ	0.01ΜΩ	±(2.0%reading+ 5digits)	

Overloading protection: 600V DC or 600V AC peak

-6-

DIGITAL CLAMP METER

1)(2)(3)(4)(5)(6)

Operation

DC Voltage Measurement

Warning!

into the INPUT terminals

3. The measured value shows on the display

DIGITAL CLAMP METER Accuracy \pm (3.0% reading +10 digits) 0.001uF 100uF 0.1uF Overloading protection: 600V DC or 600V AC peak

frequency , duty

tange	Resolution	Accuracy
0Hz	0.01Hz	
00Hz	0.1Hz	
kHz	0. 001 kHz	\pm (1.0% reading +3 digits)
0kHz	0.01kHz	
00kHz	0.1kHz	
0.1~99.9%		± (3.0%reading+3digits)

Input impedance: $10M\Omega$.

temperature			
Range	Resolution	Accuracy	
-20~10 00°C	1℃	±(3.0%reading+3digits)	
- 4~1832 °F	1°F	± (3.0 % reading +3 digits)	

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

Overloading protection: 600V DC or 600V AC peak

-15-

Measurement principle: double integrated A/D converter Range mode: Auto Range or manual Range

Display : LCD screen, max reading 3999

General Specifications

resistance of a circuit under test is higher than 120Ω.)

Overloading protection: 600V DC or 600V AC peak

Maximum voltage including transient overvoltage between any

terminals and grounding: CATIII 600VDC or 600V AC peak

● Measurement Speed: (2.5~3 times) / Second

Unit display: Sign

Polarity Display: Overloading: 'OL'

 \triangle Select the highest range if the value scale to be measured in the manual Test Equipment Depot - 800.517.8431 - 5 Commonwealth Ave, MA 01801 Δ To avoid harms to you or damages to the Meter from eletric shock

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Accuracy

(Open circuit voltage approximate 1.5V)

Less than about ≤60Ω will beep (Open

circuit voltage approximate 0.45V)

Display forward Voltage

Overloading protection: 600V DC or 600V AC peak

(warning: The buzzer may or may not sounds if the resistance of a circuit

under test is between 60 Ω to 120 Ω . The buzzer does not sound if the

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

2. Set the rotary switch to V = , press SEL button switch to DC

voltage, Connect the test leads across with the object being

TestEquipmentDepot.com

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● HOLD : Dispiley · 📳 ,

Low Battery indication: Display

● Power supply: DC1.5V X3 SIZE AAA battery。

● Dimensions : 208mm×78mm×35mm weight: <340g (including Battery)

Max. Jaw Size: 26mm diameter ● Operating: 5℃~35℃

● Storage: -10 ℃~50 ℃

Auto power off

To preserve battery life, the Meter automatically turns off if you do not turn the rotary switch or press any button for around 15 minutes. The

Meter can be activated by pressing SEL button

Replace battery

warning

To avoid possible electric shock, Disconnect the test leads from the circuit under test before replace battery. Repalace the same battery

circuit being tested before opening the case bottom. Check battery has been soon as the battery indicator "=== appears. Performs replace battery

DIGITAL CLAMP METER Disconnet test leads from live circuit, switch rotary switch to

Remove test leads form input terminals

Remove the screw from the battery cover, and separate the battery

compartment from the case bottom. Replace the battery with 3pcs of

new 1.5V (AAA)battery. Rejoin the case bottom and the battery cover, and reinstall the screw.

manua Test leads

K-type temperature probe

• 1.5V SIZE AAA Battery

Make sure the transformer jaw and the test leads are disconected from the

installed and battery cover been screwed before use . replace the batteryas

-17-