



说明书材质要求: 105g 有光铜版纸	说明书成品尺寸: 75*105mm
第一: 专色用6级防晒油墨+CMYK油墨要求: 1. PANTONE137C专色油墨(专色用6级防晒油墨): 如果自己配色, 油墨配比为: 酒联中黄(防晒)2000g 酒联金红(防晒)225g 2. C色油墨: 酒联天蓝墨 3. M色油墨: 酒联金红墨 4. Y色油墨: pantone123C专色油墨 5. K色油墨: 酒联黑墨	第二: 特别注意: 1. 印刷时看样请参考我司提供的实物样品颜色。不得偏色 2. 137C的专色不得参考C=0, M=35, Y=90, K=0对应的四色 色谱颜色来看样印刷 Pantone 137C Black (两色印刷)
折叠方式: 骑马钉	备注:

特别注意: 此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

9	10	11	封面
12	13	14	封底

1	2	3	4
5	6	7	8

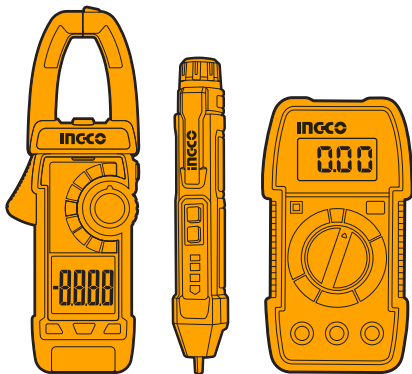
20P 页面顺序

11	12	13	14	封面
15	16	17	18	封底

1	2	3	4	5
6	7	8	9	10

更改记录	1. 新制作				
	0125.V01	2025.1.30	xi		
	版本号	日期	设计师		

ELECTRICAL TEST KIT



DIGITAL MULTIMETER

DM360011 [P1-P17]

DIGITAL AC CLAMP METER

DCM62001 [P18-P36]

AC VOLTAGE DETECTOR

VD100091 [P37-P44]



Original Instructions

GENERAL SAFETY WARNINGS**Safety statement**

" **CAUTION!**" mark refers to the condition and operation which may cause damage to the instrument or equipment.

It requires that you must be careful during the execution of the operation. If incorrectly perform the operation or do not follow the procedure, it may damage the instrument or equipment. In the circumstances that such conditions are not met or not fully understood, please do not continue to perform any operation indicated by the caution mark.

" **WARNING!**" mark indicates the condition and operation which may cause danger to users.

It requires that you must pay attention during the execution of this operation. If incorrectly perform the operation or do not follow the procedure, it may result in personal injury or casualties. In the circumstances that such conditions are not met or not fully understood, please do not continue to perform any operation indicated by the warning mark.

Safety instructions

The instrument is designed according to the requirements of the international electrical safety standard IEC61010-1 for the safety requirements of the electronic testing instruments. The design and manufacture of instruments strictly comply with the requirements of IEC61010-1 CAT.III 600V over voltage safety standards and pollution level 2.

Safety operation specifications

WARNING!

In order to avoid possible electric shock or personal injury and other safety accidents, please abide by the following specifications:

- Please read this manual carefully before using the instrument, and pay special attention to safety warning information.
- Strictly observe the operation of this manual and use this instrument. Otherwise, the protection function of the instrument may be damaged or weakened.
- Please be careful if the measurement exceeds 30V AC true RMS, 42V AC peak or 60V DC. There may be danger of electric shock at this kind of voltage

- By measuring the known voltage to check whether the meter work is normal, if it is not normal or damaged, do not use it again.
- Before using the instrument, please check whether there is any crack or plastic damage in the instrument case. If you do, do not use it again.
- Before using the instrument, please check whether the probe is cracked or damaged. If so, please replace the same type and the same electrical specifications.
- The instrument shall be used in accordance with the specified measurement category, voltage or current rating.
- Please comply with local and national safety code. Wear personal protection equipment (such as approved rubber gloves, masks and flame-retardant clothes, etc.) to prevent being damaged by electric shock and electric arc due to exposed hazardous live conductor
- When it shows low battery indicator, please replace the battery in time in case of any measurement error.
- Do not use the instrument around explosive gas, steam or in wet environment.

- When using the probe, please put your fingers behind the finger protector of the probe.
- When measuring, please connect the zero line or the ground line firstly, then connect the live wire; but when disconnecting, please disconnect the live wire firstly, then disconnect the zero line and ground line.
- Before opening the outer cabinet or battery cover, please remove the probe on the instrument. Do not use the instrument in the circumstances that the instrument is taken apart or battery cover is opened.
- It only meets the safety standards when the instrument is used together with the supplied probe. If the probe is damaged and needs to replace, the probe with same model number and same electrical specifications must be used for replacement.

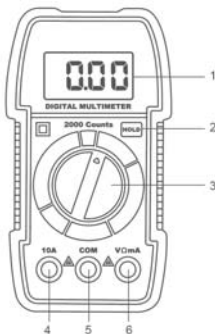
THE SYMBOLS IN INSTRUCTION MANUAL

	High voltage warning
	AC (Alternating current)
	DC (Direct current)
	AC or DC
	Warning message
	Ground
	Fuse
	Equipment with double insulation/reinforced insulation protection
	Battery under voltage
	Conforms to European Union directives
	This additional product label indicates that this electrical/electronic product must not be discarded in household waste.

CAT. II	Class II measurements are suitable for testing and measuring circuits directly connected to power points (sockets and similarities) of low voltage power installations.
CAT. III	Class III measurement is suitable for testing and measuring circuits connected to the distribution part of low voltage power supply devices in buildings.
CAT. IV	Class IV measurements are suitable for testing and measuring circuits connected to the power supply of low voltage power installations in buildings.

SPECIFICATIONS

Instrument panel description



Components

- | | |
|----------------|---|
| 1. Display | 5. COM input |
| 2. Data hold | 6. Voltage, resistance, continuity, diode, mA measurement input terminals |
| 3. Knob switch | |
| 4. A Input | |

Technical specifications

- Environment condition of using:
CAT.III 600V
Pollution level: 2
Altitude < 2000m
Working environment temperature and humidity:
0~40°C (<80% RH, <10°C non condensing).
Storage environment temperature and humidity:
-10~60°C (<70% RH, remove the battery).
- Temperature coefficient: $0.1 \times \text{accuracy}/^{\circ}\text{C}$ (<18°C or >28°C).
- MAX. Voltage between terminals and earth ground:
600V
- Fuse protection: mA: F200mA/250V fuse; 10A: no fuse
- Sampling rate: about 3 times/second.
- Display: 2000counts.
- Over range indication: it displays "OL".
- Low battery indication: "  " will be displayed.
- Input polarity indication: automatically display "-".
- Power requirement: 2 x 1.5V AAA batteries.

Accuracy specifications

The accuracy applies within one year after the calibration.

Reference condition: the environment temperature 18°C to 28°C, the relative humidity is no more than 80%, accuracy: $\pm$ (% reading + word)

DC Voltage

Range	Resolution	Accuracy
200mV	0.1mV	$\pm(1.0\% \text{ reading}+5)$
2V	0.001V	
20V	0.01V	
200V	0.1V	
600V	1V	

Overload protection: 600V; Max. input voltage: 600V

AC Voltage

Range	Resolution	Accuracy
20V	0.01V	$\pm(1.0\% \text{ reading}+5)$
200V	0.1V	
600V	1V	

Overload protection: 600V; Max. input voltage: 600V

Frequency response: 40Hz ~ 400Hz

DC Current

Range	Resolution	Accuracy
20mA	0.01mA	$\pm(1.5\% \text{ reading} + 5)$
200mA	0.1mA	
10A	0.01A	

Overload protection:

mA: F200mA/250V fuse; A: No fuse

Max. input current: mA: 200mA; A: 10A

When measuring large current, continuous measurement should be no longer than 15 seconds

Resistance

Range	Resolution	Accuracy
200 Ω	0.1 Ω	$\pm(1.2\% \text{ reading} + 5)$
2k Ω	0.001k Ω	
20k Ω	0.01k Ω	
200k Ω	0.1k Ω	
2M Ω	0.001M Ω	
20M Ω	0.01M Ω	

Overload protection: 250V

Continuity & Diode

	The resistance is <50, the buzzer will sound	Open circuit voltage is about 2V Overload protection:250V
	Displays the approximate forward voltage of the diode.	Reverse DC voltage is about 2V Overload protection:250V

OPERATION

Measurement operation

WARNING!

- Do not measure power supply or circuit greater than 600V.
- Pay attention to safety when measuring high voltage to avoid electric shock or personal injury.
- Measure the known voltage or current before use to ensure that the instrument functions well.

Data Hold

Press  key, enter data hold mode/cancel data hold mode.

Auto power off

- If there is no operation within 15 minutes, the meter will auto power off. Press key or turn the knob, and the meter will return to working state.
 - Press and hold the  key and turn on the power supply of the meter to cancel auto power off function.

DC/AC voltage measurement

- 1) Turn the knob to DC voltage or AC voltage shift and select the appropriate range.
- 2) Insert the red probe in "**VΩmA**" socket, insert the black probe in "COM" socket.
- 3) Contact the probe to the measured circuit (connect to the measured power supply or circuit in parallel), measure the voltage.
- 4) Read the measurement result on display.

DC current measurement

- 1) Turn the knob to DC current shift and select the appropriate range.
- 2) Insert the red probe in "**VΩmA**" socket or 10A Socket, insert the black probe in "COM" socket.
- 3) Disconnect the power of the tested circuit; connect the meter to the circuit under test, then turn on the circuit power supply.
- 4) Read the measurement result on display.

Resistance measurement

- 1) Turn the knob to resistance shift and select the appropriate range.
- 2) Insert the red probe in "**VΩmA**" socket, insert the

black probe in “COM” socket.

- 3) Contact the probe to the measured circuit, measure the resistance.
- 4) Read the measurement result on display.

Continuity measurement

- 1) Turn the knob to  shift.
- 2) Insert the red probe in “**VΩmA**” socket, insert the black probe in “COM” socket.
- 3) Contact the probe to the measured circuit, measure the resistance.
- 4) If the resistance or circuit of the measured resistance is less than 50Ω , the buzzer will sound; the screen displays the resistance of the measured circuit.

Diode measurement

- 1) Turn the knob to  shift.
- 2) Insert the red probe in “**VΩmA**” socket, insert the black probe in “COM” socket.
- 3) Touch the diode anode with the red probe, the black probe contacts the diode cathode.

MAINTENANCE

Clean

If there is dust on the terminals or the person is wet, it may produce incorrect measurements. Please clean the meter as follows:

- 1) Power off the meter and remove the test pen.
- 2) Turn the meter over and shake out any dust that has accumulated in the input jacks and wipe the case with a damp cloth or mild detergent, do not use abrasives or solvents. Wipe the contacts in each input jack with a clean cotton swab soaked in alcohol.

WARNING!

Always keep the inside of the meter clean and dry to prevent electric shock or damage to the meter.

Replacing the battery and fuse

Replace the batteries

- 1) Turn off the power to the meter and remove the meter pen plugged into the meter.
- 2) Remove the battery cover by unscrewing the screw holding it in place with a screwdriver.
- 3) Remove the old battery and replace it with a new one of the same size, please pay attention to the

battery polarity, there are positive and negative polarity marks for each battery in the battery box.

- 4) Install the battery cover back to its original position and secure the battery cover with screws to lock it tightly.

 WARNING!

- **To avoid incorrect readings that may result in electric shock or personal injury, replace the batteries immediately when they are low.**
- **Do not discharge the battery by short-circuiting it or reversing its polarity.**
- **To ensure safe operation and maintenance of the meter, remove the battery when not in use for a long period of time to prevent damage to the product from battery leakage.**

Replace the fuse

- 1) Turn off the power to the meter and remove the meter pen inserted in the meter.
- 2) Use a screwdriver to unscrew the screws holding the back cover and remove the back cover.
- 3) Remove the burnt fuse and replace it with a new fuse of the same size, and make sure the fuse is installed in the fuse clip and clamped tightly.

- 4) Install the back cover, and use the screws to lock the back cover.

** WARNING!**

To prevent possible electric shock, personal injury or damage to the instrument, use a fuse of the same size or a specified size.

Original Instructions

GENERAL TOOL SAFETY WARNINGS**Safety statement**** CAUTION!**

The design and manufacture of clamp meters conform to IEC 61010-1, IEC 61010-2-032, IEC 61010-030 International Electrical Safety Standards, and Compliance with IEC 61010 CAT.III 600V measurement category and pollution grade 2.

** WARNING!**

Read this manual before using the instrument.

Safety operation specifications

“**WARNING**” mark indicates the condition and operation which may cause danger to users.

“**CAUTION**” mark refers to the condition and operation which may cause damage to the instrument or equipment.

** WARNING!**

In order to avoid possible electric shock or personal injury and other safety accidents, please abide by the following specifications:

- Please read this manual carefully before using the instrument, and pay special attention to safety warning information.
- Strictly observe the operation of this manual and use this instrument. Otherwise, the protection function of the instrument may be damaged or weakened.
- Please be careful if the measurement exceeds 30V AC true RMS, 42V AC peak or 60V DC. There may be danger of electric shock at this kind of voltage.
- Voltage applied between terminals or between each terminal and grounding point shall not exceed the rated value.
- By measuring the known voltage to check whether the meter work is normal, if it is not normal or damaged, do not use it again.
- Before using the instrument, please check whether there are cracks in the instrument shell or plastic parts damaged. If so, please do not use again.
- Before using the instrument, please check whether the probe is cracked or damaged. If so, please replace the same type and the same electrical

specifications.

- Do not exceed the lowest rated Category of Measurement (CAT) rating in products, probes or accessories.
- Do not measure the current when the probe is inserted into the input jack.
- Don't work alone.
- Please comply with local and national safety code. Wear personal protection equipment (such as approved rubber gloves, masks and flame retardant clothes, etc.) to prevent being damaged by electric shock and electric arc due to exposed hazardous live conductor.
- When it shows low battery indicator, please replace the battery in time in case of any measurement error.
- Do not use the instrument around explosive gas, steam or in wet environment.
- When using the probe, please put your fingers behind the finger protector of the probe.
- When measuring, please connect the neutral wire or the ground wire firstly, then connect the live wire;

When disconnecting, please disconnect the live wire firstly, then disconnect the neutral wire and ground wire.

- Before opening the outer cabinet or battery cover, please remove the probe on the instrument. Do not use the instrument in the circumstances that the instrument is taken apart or battery cover is opened.
- It only meets the safety standards when the instrument is used together with the supplied probe. If the probe is damaged and needs to replace, the probe with same model number and same electrical specifications must be used for replacement.

INTENDED USE

The new generation of high-performance digital clamp meter makes your work easier, more efficient and safer. It can measure AC/DC voltage, AC current, resistance, capacitance, continuity, diode, NCV, LIVE.

THE SYMBOLS IN INSTRUCTION MANUAL

	High voltage warning
	AC (Alternating current)
	DC (Direct current)
	AC or DC
	Warning message
	Ground
	Fuse
	Double insulation or reinforced insulation protection
	Low battery
	Conforms to European Union directives
	This additional product label indicates that this electrical/electronic product must not be discarded in household waste.

SPECIFICATIONS

Instrument panel



Components

- | | |
|----------------------|-------------------------|
| 1. NCV probe | 5. Knob switch |
| 2. Current clamp | 6. Function keys |
| 3. Red LED indicator | 7. Display screen |
| 4. Trigger | 8. Measuring input jack |

Technical specifications

- Environment condition of using:
CAT.III 600V
Pollution level: 2
Altitude < 2000m.
Working environment temperature and humidity:
0~40°C (<80% RH, <10°C non condensing).
Storage environment temperature and humidity:
-10~60°C (<70% RH, remove the battery).
- Temperature coefficient:
0.1x accuracy/°C (<18°C or >28°C).
- MAX. Voltage between terminals and earth
ground: 600V
- Sampling rate: about 3 times/second.
- Display: 4000 counts.
- Over range indication: it displays "OL".
- Low battery indication: "  " will be displayed.
- Input polarity indication: automatically display "-".
- Power requirement: 2x1.5V AAA battery.

Accuracy specifications

The accuracy applies within one year after the calibration.

Reference condition: the environment temperature 18°C to 28°C, the relative humidity is no more than 80%.

FUNCTIONAL OPERATIONS



: Function select



: Maximum value/flashlight



: Data hold/Backlight key

Function description

- The maximum measurement: Press key (<1 sec) to view the maximum value, and press key (<1 sec) to exit the maximum value measurement.
- Flashlight: Press key (>2 sec) to turn the flashlight on or off.
- The backlight: Press key (>2 sec) to turn the backlight on or off.
- The data hold: Press key (<1 sec) to enable or disable the data hold function.
- Automatic shutdown function: If there is no operation within 15 minutes, the instrument will automatically shut down to save battery energy. After the automatic shutdown, press any key to power on.
Holding down the key and then turning on the meter will cancel the automatic shutdown function.

Restart after shutdown to restore the automatic shutdown function.

Measurement operation

WARNING!

- It is not possible to measure voltages higher than 600V, otherwise the instrument may be damaged.
- Pay special attention to safety when measuring high voltage to avoid electric shock or personal injury.
- Before use, test the known voltage with the meter and make sure the meter is in good function.

AC Current measurement

- 1) Turn the knob to the  gear and select the appropriate range (4/40A or 400A).
- 2) Then press the trigger to open the clamp, clamp the conductor to be tested, then slowly release the trigger until the clamp are completely closed, and determine whether the conductor to be tested is clamped in the center of the pliers, if the conductor is not in the center of the pliers, additional errors will occur.

- 3) Read the measurement results from the display screen.

AC/DC Voltage measurement

- 1) Turn the knob to $\overline{V}$ (DC voltage) or $\overline{V}$ (AC voltage) gear.
- 2) Insert the red probe in "INPUT" jack, insert the black probe in "COM" jack.
- 3) Contact the probe to the measured circuit (connect to the measured power supply or circuit in parallel), measure the voltage.
- 4) Read the measurement result on the screen.

Resistance measurement

- 1) Turn the knob to Ω gear.
- 2) Insert the red probe in "INPUT" jack, insert the black probe in "COM" jack.
- 3) Contact the probe to the measured circuit or resistance.
- 4) Read the measurement result on the screen.

Capacitance measurement

- 1) Turn the knob to μF gear.
- 2) Contact the probe to the measured circuit or

capacitance.

- 3) Read the measurement result on the screen.

Continuity test

- 1) Turn the knob to  gear and press the  key to switch to the continuity measurement function.
- 2) Insert the red probe in "INPUT" jack, insert the black probe in "COM" jack.
- 3) Contact the probe to the measured circuit or resistance.
- 4) If the resistance value is less than about 30Ω , a beep will sound, the red LED will light up, and the resistance value will be displayed on the display.

Diode measurement

- 1) Turn the knob to  gear and press the  key to switch to the diode measurement function.
- 2) Insert the red probe in "INPUT" jack, insert the black probe in "COM" jack.
- 3) Touch the red pen to the anode of the tested diode, and the black pen to the cathode of the diode.
- 4) Read the measurement results from the display.
- 5) If the pen polarity is opposite to the diode polarity, the meter displays "OL", which can be used to

distinguish the anode and cathode of the diode.

Non-contact AC voltage detection (NCV)

- 1) Turn the knob to “**NCV/LIVE**” gear.
- 2) Then NCV probe gradually approaches the detected point.
- 3) When the signal of weak electromagnetic field is sensed, the character “--- L” is displayed, and a slow beeping sound, the red indicator blinks slowly.
- 4) When the signal of strong electromagnetic field is sensed, the character “--- H” is displayed, a fast beeping and the red indicator blinks quickly.

Live detection (LIVE)

- 1) Turn the knob to ‘**NCV/LIVE**’ gear, press  key until the “LIVE” Symbol is displayed
- 2) Insert red probe to “INPUT” jack.
- 3) Connect the red probe to the conductor to be tested for measurement
- 4) When a weak AC signal is detected, the “---L” character is displayed, the buzzer emits a slow beep sound, and the red indicator blinks slowly.
- 5) When a strong AC signal is detected, the “---H” character is displayed, the buzzer gives a quick

beep sound, and the red LED indicator light is on.
In general, the fire line detected at this time

DC Voltage

Range	Resolution	Accuracy
400mV	0.1mV	±(0.5% reading + 5 word)
4V	0.001V	
40V	0.01V	
400V	0.1V	
600V	1V	

Input impedance: 10MΩ

Overload protection: 600V

Maximum input voltage: 600V

AC Voltage

Range	Resolution	Accuracy
4V	0.001V	±(1.0%reading +5 word)
40V	0.01V	
400V	0.1V	
600V	1V	

Input impedance: 10MΩ

Overload protection: 600V

Maximum input voltage: 600V

Frequency response: 40Hz ~ 1kHz (TRMS)

AC Current

Range	Resolution	Accuracy
4A	0.001A	45~65Hz: ±(2.5%reading+5word) Other: ±(3.0%reading+10word)
40A	0.01A	
400A	0.1A	

Maximum current: 400A

Frequency Response: 40Hz ~ 400Hz; TRMS

Resistance

Range	Resolution	Accuracy
400Ω	0.1Ω	±(1.0%reading+5word)
4kΩ	0.001kΩ	
40kΩ	0.01kΩ	
400kΩ	0.1kΩ	
4MΩ	0.001MΩ	
40MΩ	0.01MΩ	

Overload protection: 250V

Capacitance

Range	Resolution	Accuracy
4nF	0.001nF	$\pm(4.0\% \text{reading} + 5 \text{word})$
40nF	0.01nF	
400nF	0.1nF	
4 μ F	0.001 μ F	
40 μ F	0.01 μ F	
400 μ F	0.1 μ F	
4mF	0.001mF	

Overload protection: 250V

Continuity

	<30 Ω , the buzzer sounds and the red indicator on	The test voltage is about 2V. Overload protection: 250V
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Diode

	It displays the approximate forward voltage value of the diode.	The reverse DC voltage is about 2.0V. Overload protection: 250V
---	---	--

MAINTENANCE&CLEAN

Maintenance

WARNING!

To avoid electric shock, remove the test probe before opening the battery cover or back cover

General maintenance

- Maintenance and service of this instrument must be carried out by professional qualified maintenance personnel or maintenance department.
- Use wet cloth or mild detergent regularly to clean the shell. Do not use abrasives or solvents. Wipe the contacts in the socket with a clean cotton swab soaked in alcohol.

Battery installation or replacement

The instrument uses two AAA 1.5V batteries. Please install or replace the batteries according to the following steps.

- 1) Turn off the power of the instrument and remove the probe

- 2) Use screwdriver to unscrew the screw that fixes the battery cover and remove the battery cover.
- 3) Remove the old battery and install the new battery according to the polarity of the battery marked in the battery box.
- 4) After installing the new battery, cover the battery cover and lock the screw.

** WARNING!**

- To avoid the possibility of electric shock or personal injury caused by incorrect reading, replace the battery immediately when the "" sign is displayed on the display screen.
- Please use the same type of batteries, do not use substandard batteries
- In order to ensure safe operation and maintenance of the instrument, please take out the battery when not in use for a long time, in order to prevent damage to the product caused by battery leakage.

Original Instructions

SAFETY WARNINGS** WARNING!**

Please read the instruction manual carefully before use and strictly observe the safety rules and the caution, attention and warnings listed in the instruction manual.

** WARNING!**

To avoid possible electric shock or personal injury:

- If the voltage detector is not used correctly according to the instruction, the protection function provided by the detector may be affected or invalidation.
- Before using the voltage detector, please test the known power supply to ensure that the voltage detector is in good working condition.
- When using voltage detector, even if there is no indication or no sound alarm, there may still be voltage. This voltage detector indicates the effective voltage when a supply voltage generates enough intensity electrostatic field. If the field strength is very weak, voltage detector can't detect the existence of voltage. The existence of voltage may be affected by several factors, including but not limited to: shielded

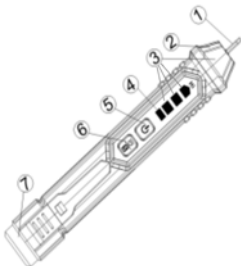
wire or cable, thickness and type of insulation layer, distance from the voltage source, complete insulation, differences in socket design, etc.

- Do not use if it is damaged or unable to work properly. Before using, check whether the tip of the probe is cracked or broken. If there is a question, please send it to repair in time.
- Do not apply the rated voltage exceeding the marking on the voltage detector.
- When testing voltages above 30 volts, be extra careful, because such a voltage is at risk of electric shock.
- Comply with local and national safety regulations and use appropriate protective equipment in accordance with local or national authorities.

THE SYMBOLS IN MANUAL

	Warning message
	Low battery
	Conforms to European Union directives
	This additional product label indicates that this electrical/electronic product must not be discarded in household waste.

SPECIFICATIONS



Components

1. Probe (NCV sensor)
2. Flashlight
3. Signal indicator
4. Power LED
5. Power switch
6. Sensitivity/Flashlight (With sensitivity indicator)
7. Battery cover

Technical specifications

Detection voltage:

AC voltage :12~1000V, 50/60Hz

Application environment:

Operating temperature: 0~40°C

Storage temperature:

-10~50°C

Humidity: ≤95%

Altitude: ≤2000m

Safety compliance:

CAT.III 1000V

CAT.IV 600V; CE

Battery: 2×1.5V AAA

OPERATION

Power ON/OFF

Press the power key and keep up for more than 1 second. The buzzer beeps once, the Power LED lit up and the instrument entered the test state. When the power on, power key was pressed to shut down.

High/low sensitivity

When the power is opened, the low sensitivity test state is defaults. Press the sensitivity / flashlight key (less than 1 second) to switch between high sensitivity and low sensitivity. When the sensitivity indicator light is lit, it is a highly sensitive test state. When the sensitivity indicator is off, it is a lowly sensitive test state.

NOTE:

High sensitivity: 12~1000V

Low sensitivity: 48~1000V

Flashlight

Press the sensitivity / flashlight key and hold for more than 2 seconds. The flashlight is opened; The flashlight is closed by pressing the sensitivity / flashlight key and holding for more than 2 seconds.

AC Voltage Detection

The voltage detector probe is placed near the AC voltage. When the voltage is induced, the signal indicator will be lit. The signal intensity indicator will become more or less with the signal intensity, and the beep hint will become faster or slower with the signal intensity.

NOTE: Under normal condition, the live wire and neutral wire can be identified according to the signal intensity detected by the detector.

NOTE: When distinguishing the live wire from the neutral line, separate the two lines as far as possible to detect them. If they cannot be separated, they can be distinguished according to the signal intensity detected. The strength of the detected signal for the live wire is

strong. The detected signal strength for the neutral wire is weak.

NOTE: Under normal condition, the live wire and neutral wire can be identified according to the signal intensity detected by the detector.

NOTE: When distinguishing the live wire from the neutral line, separate the two lines as far as possible to detect them. If they cannot be separated, they can be distinguished according to the signal intensity detected. The strength of the detected signal for the live wire is strong. The detected signal strength for the neutral wire is weak.

Auto power off

When there is no induction signal or no operation within about 5 minutes, the instrument will shut down automatically to extend the battery life.

Low battery indicates

When the battery voltage drops to less than 2.5 volts, the power LED will flash. When the battery voltage drops to less than 2.3 volts, the voltage detector will automatically turn off. When low battery tip, please replace the battery.

Replace the battery

Press the snap and push the battery cover off the body, remove the batteries, and insert the positive terminal of the new battery toward the tip of the tester.



⚠ WARNING!

To avoid electric shock, do not use the voltage detector to detect voltage before the battery cover is buckled and locked.

Clean

Clean with a wet cloth.

NOTE: After cleaning, the voltage detector must be dried before it can be used.

