KUSAM-MECO®

An ISO 9001:2015 Company

NON-CONTACT AC VOLTAGE DETECTOR MODEL- KM 6190

Safety information

⚠ Warning

To avoid possible electric shock or physical injury:

- Please use this test pen strictly according to the manual, otherwise the protection function provided by the tester may be affected.
- If the power indicating light is not on, do not use it.
- Before use, test it on a known live power supply to ensure that the product is in good working condition.
- When using this tester, even if there is no sound or light alarm, there may still be voltage.The tester only indicates the effective voltage when there is enough electrostatic field generated by AC voltage.If the electric field is low,the tester may not detect it. The tester may be affected by the following factors, including but not limited to:
- If the tester is damaged, or cannot work normally, do not use it. Before use, check whether the probe is cracked or broken.For any doubt, please send the tester for repair in time.
- Do not apply the rated voltage more than the number marked on the tester.
- When testing the voltage above 36V AC, care should be taken to prevent the danger of electric shock.
- Comply with local and national safety regulations.
- Use appropriate protective equipment according to the regulations of local or national authorities.

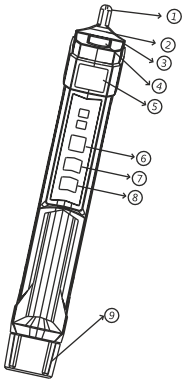
FEATURES

- Dual Range Non-Contact AC Voltage Detector
- Strong ABS Plastic case.
- **Alarm Mode :** Sound and light indication.
- White LED Flashlight for Dark Area.
- Hot Line and Netural Line Distinguish.
- Auto Power off.
- Dual Range Adjustable sensitivity.
- 2m drop-proof.
- IP67 Waterproof
- Low battery indication
- **Zero/Fire wire Test :** Tested from the signal strength, the fire wire has strong signal.
- **NCV Sensitivity :** Automatically select 3 sensitivities (High, Medium & Low)
- **Sensitive display mode of NCV :** The test pencil shows different sensitivities through different alarm sounds & LED of different colors : high(red), medium (green all the time) & low (green flashing).

ELECTRICAL SPECIFICATION

- **Safety :** CE CAT IV 600V; CAT III 1000V
- **AC Voltage Range :**
  1) 48V~1000V (the default light is red on during power on)
  2)12V ~ 1000V (the orange light is on if press the signal key shortly)
- **Frequency :** 50Hz / 60Hz
- **Operating Temperature :** 0°C ~ 40°C
- **Storage Temperature :** -10°C ~ 50°C
- **Altitude :** <2000m
- **Power Supply :** 1.5V AAA x 2 battery.
- **Dimension :** Approx. 156 x 20 x 20mm
- **Weight :** Approx. 45g

PANEL DISCRIPTION:



① Probe(NCV sensor head)
② Flashlight
③ Induced voltage indicating light
④ Power light (red), Voltage switching indicating light (orange),Wall detection indicating light (green)
⑤ Signal strength indicating light- High (red) Medium (green) Low (green light flashing)
⑥ Power Key
⑦ Flashlight key
⑧ Signal strength key
⑨ Battery cover

OPERATING INSTRUCTIONS

1. Power on and off

Power on : Press the (⏻) key, & the power light is on.
Power off : Press the (⏻) key again,& the power light is off.

2.Turn on/off the flashlight

Turn on the flashlight : Press the (🔦) key to turn on the Flashlight.

Turn off the Flashlight : Press the (🔦) key again to turn off the flashlight. If the Flash light is not turned off, it will automatically turn off after about 5 minutes.

3. AC Voltage Detection

Insert the test pen into the socket or place it close to the wire,if the green light flashes, the detection voltage is low, if the green light stays on, the detector voltage is medium; the red light is always on, the detection voltage is high.And the buzzer alarms at different speeds. Plug the stylus into a socket or near a wire & if the green light is flashing, the detection voltage is low; If the green light stays on, the detection voltage is medium; If the red light stays on,the detectionvoltage is high. At the same time the buzzer will sound a fast or slow alarm.

4. Zero / Fire wire test

Place the test pen near the wire or insert it into the socket, the one with high detection induction signal is fire wire, while the one with low or no signal is zero wire.

5. Selection of Voltage Detection Range

Default Voltage Range :

(Red Light) on, about 48~1000V. Press the signal key (📶), (orange light) on. The voltage range of the test pen is about 12 ~ 1000V.Press the signal key (📶) again, (red light) on, about 48 ~ 1000V.

6. Selection of Partition line

Press the signal key (📶) for about two seconds, (green light) on, & enters the partition line. At this time, every short press of the signal key (📶) can adjust the induction signal to weaken.

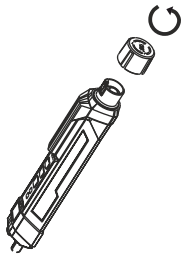
7. Automatic Shutdown

When the test pen is not operated for about 5 minutes & detect no voltage signal, it will automatically shut down.

8. Low Battery Voltage

When the battery voltage is lower than about 2.7V, The power light flashes for 3 times, and the buzzer sounds to automatically shut down. Please replace the battery in time.

Battery replacement:



Please refer to the following:

1. Rotate the battery cover as shown in the figure.
2. Take out the old battery
3. Put the new battery according to the positive & negative indication of the battery.
4. Close the battery cover.
5. Do Not mix old & new batteries.

MUMBAI

TEST CERTIFICATE

NON-CONTACT AC VOLTAGE DETECTOR

This Test Certificate warrantees that the product has been inspected and tested in accordance with the published specifications.

MODEL NO. **KM 6190**

SERIAL NO. _____

DATE: _____

ISO 9001:2015 REGISTERED

QC KUSAM-MECO PASS

WARRANTY

Each "KUSAM-MECO" product is warranted to be free from defects in material and workmanship under normal use & service. The warranty period is one year (12 months) and begins from the date of despatch of goods. In case any defect occurs in functioning of the instrument, under proper use, within the warranty period, the same will be rectified by us free of charges, provided the to & fro freight charges are borne by you.

This warranty extends only to the original buyer or end-user customer of a "KUSAM-MECO" authorized dealer.

This warranty does not apply for damaged Ic's, fuses, burnt PCB's, disposable batteries, carrying case, test leads, or to any product which in "KUSAM-MECO's" opinion, has been misused, altered, neglected, contaminated or damaged by accident or abnormal conditions of operation or handling.

"KUSAM-MECO" authorized dealer shall extend this warranty on new and unused products to end-user customers only but have no authority to extend a greater or different warranty on behalf of "KUSAM-MECO".

"KUSAM-MECO's" warranty obligation is limited, at option, free of charge repair, or replacement of a defective product which is returned to a "KUSAM-MECO" authorized service center within the warranty period.

THIS WARRANTY IS BUYER'S SOLE AND EXCLUSIVE REMEDY & IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE."KUSAM-MECO" SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, ARISING FROM ANY CAUSE WHATSOEVER.

All transaction are subject to Mumbai Jurisdiction.

KUSAM-MECO®

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