

CT900LOV




CAUTION

Ins. CAT II

BEFORE OPERATING

CE

CT900LOV is a new invention low voltage tester which combines the latest digital technology to detect low AC voltage. Also, it has the following advance features.

-  Contact AC voltage test : From 6-30VAC
-  DC voltage / Polarity check : 1.5V - 30VDC
-  Continuity check : 0 - 80MΩ

BATTERIES REPLACEMENT :

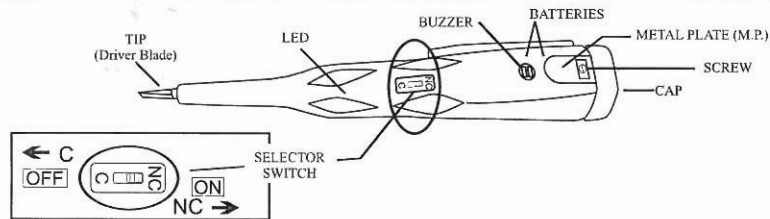
- 1.5V x 2 Alkaline or Mercury Type Button Cell. (Type : LR44; 157; V13GA; AG13; A76 etc.)

INSERTING THE BATTERIES :

Loose the screw and then pull out the cap. Replace the batteries with negative (-) towards inside position, and then bend the wire onto the batteries, place the cap back and then tighten the screw again.



CAUTION : Do not operate the tester when the cap removed.



FUNCTIONS OF SELECTOR SWITCH :

 C = OFF

 NC = Continuity / ACV / DCV / Polarity check (LED blinks, buzzer sounds)

NOTES :

- 1) The tester should not be used to test voltages above the stated rated voltage.
- 2) Operating temperature within -10° to +50°C (14° to 122°F) and the frequency range from 50 to 500Hz. But best environmental temperature range up to 30°C, humidity 80% at altitude up to 2,000 meter.
- 3) The perceptibility of the indication can be impaired :
in unfavourable lighting conditions. (e.g. in sunlight) or in unfavourable positions,
(e.g. on wooden runged ladders etc.)
- 4) The tester must be tested for perfect function before use (Self-Test).
- 5) The tester must not be used in the presence of moisture, (e.g. dew or rain)
- 6) The screw-driver blade should only be use for testing voltage on 'live/hot' parts. Other work must not be carried out without isolating the voltage.
- 7) Damaged testers must not be used.
- 8) As with any electrical unit, extreme care should be taken, so please follow instructions carefully.
- 9) In case of doubt, please consult a qualified electrician.
- 10) This manual contains important safety guidelines. Keep this manual together with the equipment.

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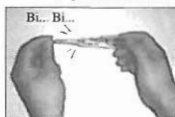
Quick Operating Guide

Initial Preparation

SELF- TEST

* Guaranteed Indicating!

Prior to use, please perform a 'Self-Test' to ensure guaranteed indicating. Selector switch to 'NC' position, LED 'Blinks' and buzzer sounds (Bi... Bi...) indicating 'Normal Functioning'.



* The 'Metal Plate' must be touched by one hand with the free hand touching the TIP.

NOTE :

WHEN NOT IN USE, ALWAYS SET THE SWITCH TO 'C' POSITION.



AC Voltage Testing



BY CONTACT METHOD ⚠ CAUTION 30VAC maximum



Switch to 'NC' Position



for contact testing



Touch the metal plate during testing



DCV / Polarity Check (1.5V-30VDC)

⚠ CAUTION : Be sure to disconnect any AC mains or High Voltage !

While checking, the finger must touch the 'METAL PLATE' and the 'TIP' in contact with the Positive (+) side, and be sure that the free hand touches the 'Negative' (-) side too.



LED blinks and buzzer sounds when Positive (+)



No response when Negative (-)

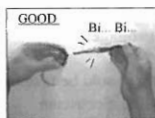


Continuity Check

⚠ CAUTION : Do not test continuity on live circuit and be sure to remove AC mains or discharge capacitor.

While checking, the finger must touch the 'METAL PLATE' and the 'TIP' in contact with one side of the object, and be sure that the free hand touches the other side of the object too.

Easily identify 'Good' or 'Bad' fuse, bulb, heating elements wiring etc. and also it can check/identify the condition of electronic components such as rectifier ; diode ; resistor ; capacitor ; transistor ; coils ; P.C.B. and etc.



EXTREMELY SIMPLE TO OPERATE. MUCH EASIER THAN A MULTI-METER.