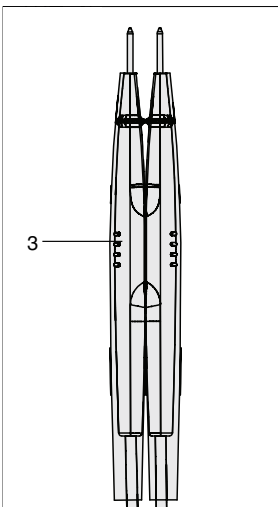
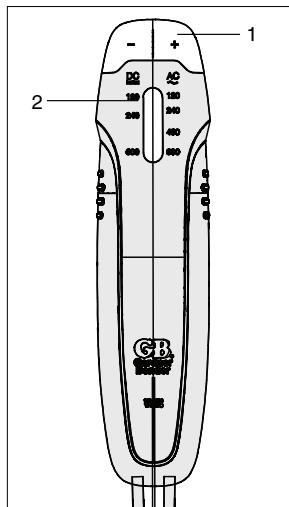


- Read this owners manual thoroughly before use and save

1.0 METER FUNCTIONS



1. DC Polarity Indicators
2. AC/DC Voltage Scale
3. Snap together probes

1. Indicadores de polaridad de CC
2. Escala de voltaje de CA/CC
3. Sondas insertables

1. Indicateurs de polarité c.c.
2. Échelle de tension c.a./c.c.
3. Sondes se fixant ensemble par pression

2.0 READ FIRST: IMPORTANT SAFETY INFORMATION



Read this operators manual thoroughly before using this meter. This manual is intended to provide basic information regarding this meter and to describe common test procedures which can be made with this unit. Many types of appliance, machinery and other electrical circuit measurements are not addressed in this manual and should be handled by experienced service technicians.

SAFETY WARNINGS

This instrument has been designed, manufactured and tested according to IEC61010: Safety requirements for Electronic Measuring apparatus, and delivered in the best condition after passing inspection. This instruction manual contains warnings and safety rules which must be observed by the user to ensure safe operation of the instrument and retain it in safe condition. Therefore, read through these operating instructions before using the instrument.



CAUTION is reserved for conditions and actions that can cause injury or instrument damage.



DANGER is reserved for conditions and actions that are likely to cause serious or fatal injury.



WARNING is reserved for conditions and actions that can cause serious or fatal injury. Never make measurement on a circuit in which voltage over AC 480 V exists.



WARNING Use extreme caution when using this meter. Improper use of this meter can result in severe damage to property, severe personal injury or death. Follow all instructions and suggestions in this operators manual as well as observing normal electrical safety precautions. Do not use this meter if you are unfamiliar with electrical circuits and proper test procedures.



WARNING Keep the manual at hand to enable quick reference whenever necessary.

- The instrument is to be used only in its intended applications.
- Understand and follow all the safety instructions contained in the manual.
- It is essential that the above instructions are adhered to.
- Failure to follow the above instructions may cause injury, instrument damage and/or damage to equipment under test.
- Do not attempt to take measurements in the presence of flammable gasses. Otherwise, the use of the instrument may cause sparking, which can lead to an explosion.
- This tester is designed for intermittent duty only (On 15 seconds, Off 240 seconds). It should only take several seconds to note a voltage indication. If the reading is maintained longer than 15 seconds, damage to the unit may occur.



WARNING Never attempt to use the instrument if its surface or your hand is wet.

- Do not exceed the maximum allowable input of any measuring range.



WARNING Never attempt to make measurements if any abnormal conditions, such as broken case or exposed metal parts are found on the instrument.

- Do not install substitute parts or make any modification to the instrument. For repair or re-calibration, return the instrument to your local distributor from where it was purchased.

- Verify proper operation on a known source before use or taking action as a result of the indication of the instrument.



CAUTION Use appropriate personal protective equipment such as insulating gloves, insulating boots, and safety glasses.

- Do not expose the instrument to the direct sun, high temperature and humidity or dewfall.

- Using the meter in areas with high magnetic fields can result in inaccurate readings.

- Altitude 2000m or less. Appropriate operating temperature is within 32 °F – 104 °F (0 °C – 40 °C).

- This instrument isn't dust and water proofed. Keep away from dust and water.

- Cleaning: Use a cloth dipped in water or neutral detergent for cleaning the instrument. Do not use abrasives or solvents otherwise instrument may get damaged, deformed or discolored.

3.0 SPECIFICATIONS

DC Voltage: 120 - 240 Volts

AC Voltage: 120 - 480 Volts

AC Voltage Frequency: 50 - 60 Hz

Intermittent Duty Only! On 15 seconds, Off 240 seconds

Operation Environment: 32 °F – 104 °F (0 °C – 40 °C),
80% RH Max.
50% RH above 31 °C

Altitude up to 2000 meters. Indoor use.

Storage Temperature: 14 °F – 140 °F (-10 °C – 60 °C)

CAT III 600V

4.0 OPERATION

This meter is designed with probe holders to allow for maximum versatility and single hand testing.

When using the test leads, the tester will automatically activate when connected to AC or DC voltage. The tester will automatically select the proper function.

4.1 Measuring DC Voltage Levels Measure the voltage by touching the test lead tips to the circuit where the value of voltage is needed. If the "+" test lead is on the positive contact the +VDC light will illuminate. If the "-" test lead is on the negative contact the -VDC light will illuminate. **Fig. 1**

Read the voltage level from the DC voltage scale.

4.2 Measuring AC Voltage Levels

Measure the voltage by touching the test lead tips to the circuit where the value of voltage is needed. Both polarity indicators will illuminate to indicate AC Voltage. **Fig. 2**

Read the level from the AC voltage scale. The polarity of the leads does not matter for AC voltage measurements.



Measurement category III is for measurement performed in 600 V the building installation

Maximum rated current is: 0.15A



WARNING If the equipment is used in a manner not specified by manufacturer, the protection provided by the equipment may be impaired

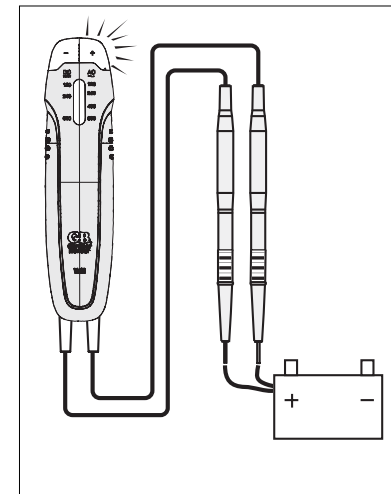


Fig. 1

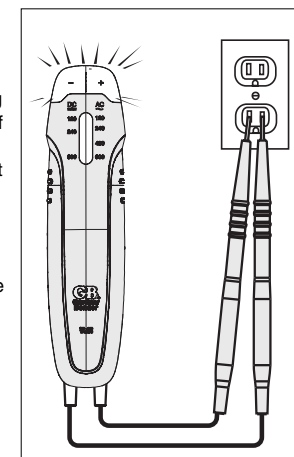


Fig. 2

