

GENERAL INSTRUCTIONS

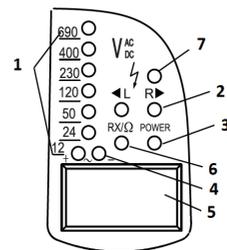
These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.

These instructions should be used to aid installation of the following products:
TE1 / TE2

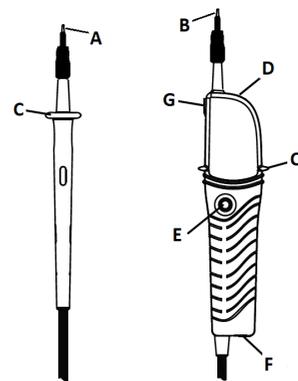
SAFETY

- Do not use at voltages above 690V
- Do not use in the presence of flammable gases or in explosive environments
- The operator must keep hands and fingers behind the finger guards
- The instrument must be used with the probe safety covers in place
- Correct operation of the tester on a known voltage source must be checked before and after measurements are taken
- Do not unlock or open the battery case during measurements
- Do not make any modifications to the instrument, or use if damaged
- This product is suitable for use only in a dry environment (<85% RH)
- Readings may be unreliable outside of the temperature range -10°C to 55°C (<85% RH). The product should not be stored at temperatures outside of the range -20°C to 60°C

LAYOUT



- 1 LEDs for voltage indication
- 2 L / R LEDs for phase rotation test
- 3 Power LED
- 4 Polarity indication for voltage test
- 5 LCD display (TE1 only)
- 6 Continuity LED
- 7 High voltage LED



- A Probe -
- B Probe +
- C Finger guards
- D Torch
- E Torch switch
- F Battery compartment
- G Probe clip

BATTERY INSTALLATION

Unlock the battery case by inserting a coin or large flat-head screwdriver and twisting anti-clockwise. Insert two AAA 1.5V batteries observing the polarity marked on the case. Lock before use.

SELF-DIAGNOSTIC TEST

Touch the two probes together (see Fig. 1). The power LED will illuminate, and the sounder should be heard. If the power LED flashes or turns off, the batteries may need replacing.

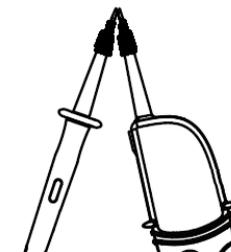


Fig. 1

CONTINUITY TEST

Make sure the object under test is not live. Touch the two probes onto the two conductive parts to be measured. The continuity LED will illuminate, and the sounder will be heard if continuity is detected up to 550KΩ. Contact must be made with clean metal as corrosion, rust, grease, or other debris on the measurement surfaces may affect the reading.

VOLTAGE TEST

Correct operation of the tester on a known voltage source must be checked before and after measurements are taken. Place the two probes onto the conductive parts to be measured. The voltage is indicated by the LCD screen (TE1 only), and by the voltage LEDs. The high voltage indication LED will begin to illuminate as the voltage increases beyond approximately 50V.

POLARITY

AC polarity is not indicated. Both + and - indicators light up when connected to an AC source, regardless of the polarity. DC polarity is indicated as follows (see Fig. 2): when the + probe is connected to a positive DC source, the + indicator will illuminate. When the + probe is connected to the negative DC source, the - indicator will illuminate.

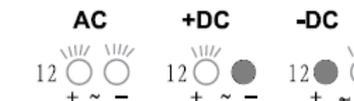


Fig. 2

PHASE ROTATION

For detection of phase rotation on three-phase systems, grasp the handle firmly - this is necessary because the instrument uses capacitive coupling onto the user to achieve a zero-volt reference. Therefore the user must be sufficiently connected to earth for this function to operate. The phase rotation is indicated by the left and right arrows (see Fig. 3)



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DCAPR21_V2

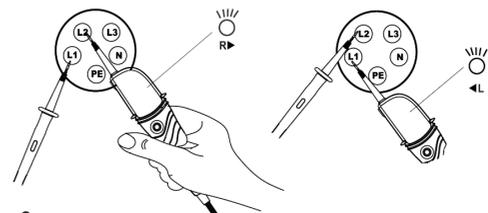


Fig. 3

PROBE CLIP

The probe clip allows for the control of probe spacing with one hand (see Fig. 4)

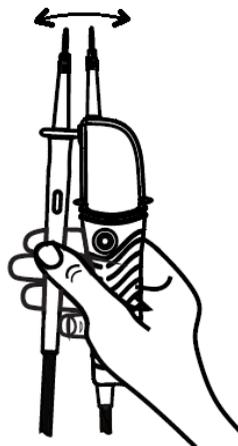


Fig. 4

TORCH

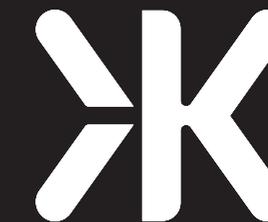
The torch will illuminate while the switch is held in. Be aware that using the torch will shorten the battery life.

GENERAL

This product should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist.
Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the product.
Remove batteries if the product is to be unused for a long period.

WARRANTY

This product has a warranty of 1 year from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations (BS7671), improper use, or removal of the batch code will invalidate the warranty. If this product should fail within its warranty period, it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice.



INSTALLATION & MAINTENANCE MANUAL

TE1 & TE2