




### 3.2.4 Continuity test

The buzzer emits a 2 kHz beep when the measured resistance is less than 30 Ω.

## 4. DIRECTIONS FOR USE

### 4.1 Automatic recognition mode

- Press the FUNC. key for more than one second to start up the tester and enter automatic recognition mode: . The device then automatically detects the nature of the component - resistor, (ohm), capacitor (F), or diode - or performs a continuity test.


#### NOTE :

- Ranges in automatic recognition mode:  
Resistor: 600.0 Ω ~ 6.000 MΩ;  
Capacitor: 6 nF ~ 600 μF.

### 4.2 Resistor measurement



When the component is part of a circuit:  
- disconnect all power sources and discharge the capacitors before the measurement  
- the measurement can be thrown off by the presence of adjacent components.

- Press the FUNC. key and select the  mode.
- Connect the test clip to the component to be measured; the measured value will appear on the display unit.


#### NOTE :

- The RANGE key is available in this mode.
- When the clip is not connected, or poorly connected, in other words open-circuit, the "OL" indication is displayed to report an overshoot of the range.
- If the measurement is rendered inaccurate by the presence of external components: it will be necessary either to isolate the component to be tested or to compare the results to those obtained on a reference circuit.

### 4.3 Capacitor measurement



When the component is part of a circuit:  
- disconnect all power sources and discharge the capacitors before the measurement  
- the measurement can be thrown off by the presence of adjacent components.

- Press the FUNC. key and select the  mode.
- Connect the test clip to the capacitor to be measured; the measured value is displayed.


#### NOTE :

- The RANGE key is available in this mode.
- Discharge the capacitor before making a measurement.
- If the measurement is rendered inaccurate by the presence of external components: it will be necessary either to isolate the component to be tested or to compare the results to those obtained on a reference circuit.


### 4.4 Diode test



When the component is part of a circuit:  
- disconnect all power sources and discharge the capacitors before the measurement  
- the measurement can be thrown off by the presence of adjacent components.

- Press the FUNC ; key and select the  mode.
- Connect the **+** probe tip of the tester to the anode and the **- probe tip** to the cathode of the diode to be measured.
- The tester will display the approximate forward voltage of the diode. When the connection is reversed, the "OL" indication is displayed (if the diode is functional).
- If the measurement is rendered inaccurate by the presence of external components: it will be necessary either to isolate the component to be tested or to compare the results to those obtained on a reference circuit.

### 4.5 Continuity test

- Press the FUNC. key and select the  mode.
- Connect the test clip to the circuit to be tested. When there is continuity (in other words, a resistance of less than 30 Ω), the buzzer in the device sounds.

## 5. AUTOMATIC SHUTDOWN


- In order to increase the battery life, the device has an automatic shutdown function. If no key is pressed for 10 minutes, the tester automatically switches itself off.

## 6. MAINTENANCE

### 6.1 Cleaning

- Use a soft cloth, dampened with soapy water. Rinse with a damp cloth.
- Dry thoroughly with a dry cloth or forced air before using again.

### 6.2 Replacing the batteries

When the  symbol is displayed, the batteries must be replaced.

Proceed as follows

- Press on the cover of the battery compartment and push as shown by the arrow to open.
- Replace the two batteries with two new 1.5 V batteries (AG13 / LR44 / 357A / etc.).
- Put the cover of the battery compartment back in place.

### 6.3 Metrological check

Like all measuring or testing devices, the instrument must be checked regularly.

This instrument should be checked at least once a year. For checks and calibrations, contact one of our accredited metrology laboratories (information and contact details available on request), at our Chauvin Arnoux subsidiary or the branch in your country.

## 6.4 Repair

For all repairs before or after expiry of warranty, please return the device to your distributor.

## 7. WARRANTY

Except as otherwise stated, our warranty is valid for twelve months starting from the date on which the equipment was sold. Extract from our General Conditions of Sale provided on request.

The warranty does not apply in the following cases:

- Inappropriate use of the equipment or use with incompatible equipment;
- Modifications made to the equipment without the explicit permission of the manufacturer's technical staff;
- Work done on the device by a person not approved by the manufacturer;
- Adaptation to a particular application not anticipated in the definition of the equipment or not indicated in the user's manual;
- Damage caused by shocks, falls, or floods.

## 8. TO ORDER

The TCX01 tester is delivered with :

- one case ;
- 2 1,5 V button batteries ;
- directions for use.

TCX01 .....TCX001-Z