

Multimeters and Meters Quick Setup Guide

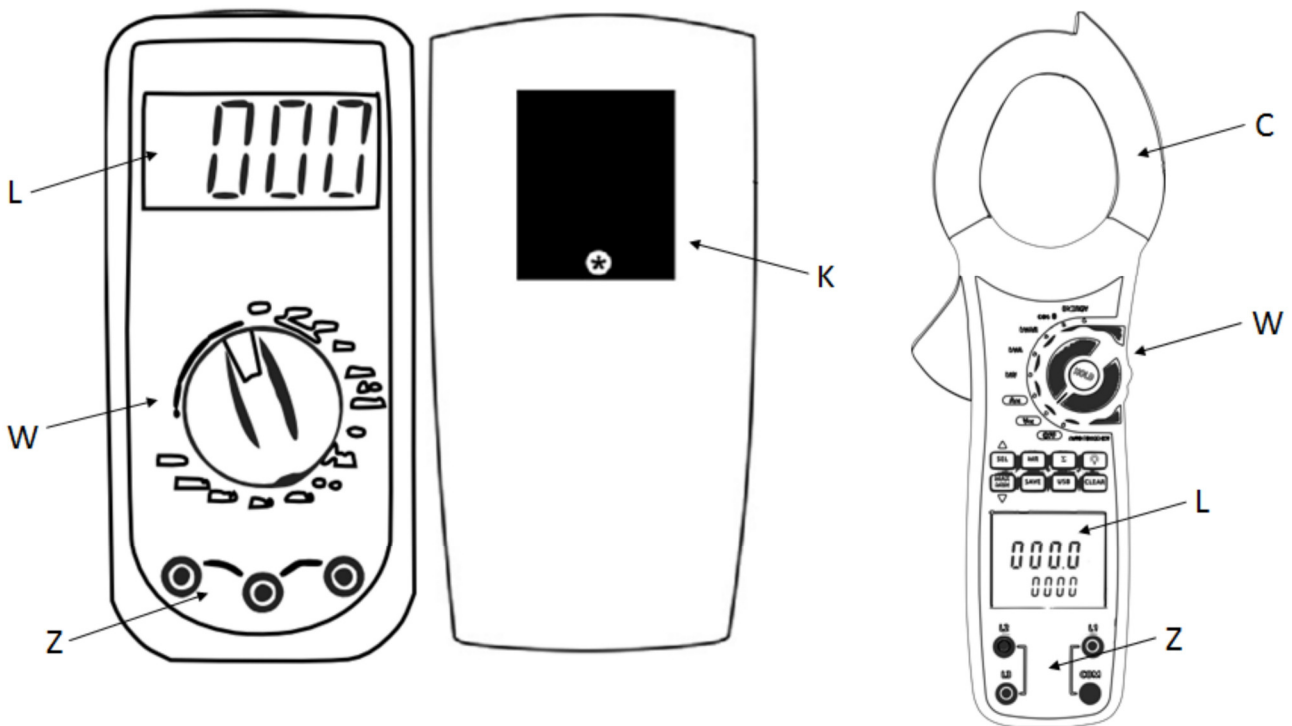
1. Introduction

Dear Customer! Thank you for your purchase in TME! To protect the environment we have prepared for you this quick start guide. Before operating the unit, please read it carefully. Please visit www.tme.eu. Illustrations in this manual are only example images and may differ from the actual item. It does not change their main characteristics.

2. Application

This device is designed for electrical measurements.

3. Unit setup and operation



- L - LCD display
- W - Range selector/power switch
- Z - Test leads sockets
- K - Battery cover
- C - Measurement clamps

y Connect the test leads and/or power supply cables to the respective terminals of the meter if they

are required.

- y Set the function/range selector switch to the desired position. If the value of the measured signal is unknown, select the highest measurement range.
- y Touch test probes or press the corresponding button to make the measurement.
- y Watch the input signal value.
- y Overrange is indicated by the corresponding symbol displayed on the LCD.
When you see this symbol remove the cause of the overrange. Select a higher range, or the highest range is already selected immediately stop the measurement. During resistance measurement overrange means open circuit or too high resistance.
- y To replace the battery open the battery cover by unscrewing the screws or loosening the latch, replace the battery, close the cover.

4. Precautions

- y Never exceed maximum input values for all functions.
- y Do not apply voltage higher than the rated voltage, specified and marked on the unit between terminals or between the terminal and the earth.
- y Use appropriate terminals, functions, and ranges for selected measurement.
- y Do not attempt current measurement if current value exceeds the current rating of the fuse.
- y Before changing the measurement function, disconnect the test leads from the measurement circuit.
- y Before measuring resistance, continuity, diodes or capacitance turn off the power and discharge all high-voltage capacitors.
- y Do not use the device if it is damaged. Before using the device, inspect the housing. Check if it has no cracks or broken off pieces. Carefully check the insulation surrounding the connectors.
- y Make sure the battery cover is closed and latched before operating the unit.
- y Do not use the device if it works incorrectly. Protection may be impaired. If you are unsure whether the device is working correctly, take it to the service.
- y When you make the electrical connections, first connect the black test lead before connecting the red test lead, when disconnecting first disconnect the red test lead and then black test lead.
- y Use caution when working with voltages above 30 V AC rms, 42 V AC peak and 60 V DC. These voltages can cause electric shock.
- y Before starting the measurements check if insulation of test leads and probes is not damaged and there is no exposed metal.
- y Damaged test leads should be replaced by new one.
- y During measurement, always keep your fingers on the probes behind the hand guards.
- y Before opening the battery compartment cover remove the test leads from the device, if possible.
- y Replace the battery with a new one or charge the battery if the display shows the battery low indicator.
- y When servicing the unit, use only spare parts specified by the manufacturer.
- y Never use the device in explosive environments, if it is not designed to work in such conditions.
- y Test leads and accessories should have the same safety categories as meter has.