Multimeter
Datasheet



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V.25.1

1.1. General Features

The multimeter measures and calculates the current and the voltage values that belong to 3 phases as True RMS. It also measures the frequency and displays these quantities and measurement values on the screen. It can optionally measure neutral-to-earth voltage and displays the values on the screen.

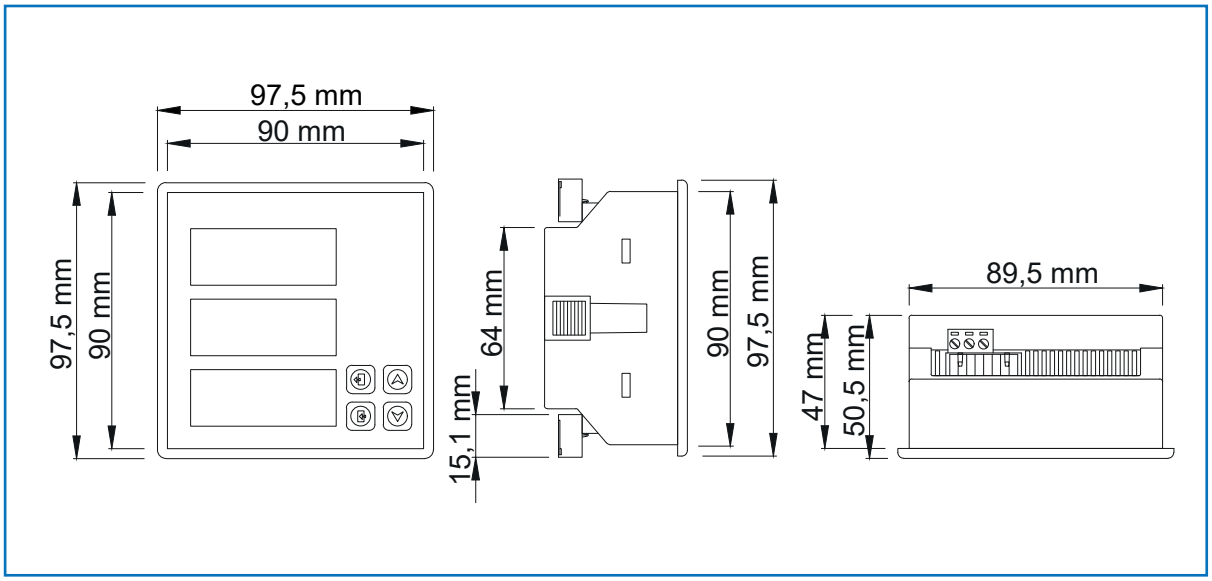
The current transformer and the voltage transformer settings can be made via the menu. In the versions which have output feature, the relay is controlled according to the current and the voltage value ranges that set via the menu.

Multimeter does not require a separate supply input with its new supply design. The device operates if there is energy in one of the voltage inputs (85-265 Volt).

1.2. Technical Features

Microprocessor based.
The operating ambient temperature of the device must be between -10 °C and +55 °C.
The power consumption of the measurement inputs is less than 1 VA.
It has IP20 protection class.
The line voltage between phase-phase can be set between 190-31500 V.
The phase-phase measurement voltage can be set between 100-480 V AC (45-65 Hz) and phase-neutral measurement voltage can be set between 10-280 V AC (45-65 Hz).
The current transformer ratio can be set between 5/5 and 10000/5.
Optionally, it can be compatible with CT30 type current transformer.
To adjust the polarity direction of the current transformer, there are three different modes as automatic, manual and reverse.
The operating frequency is 45-65 Hz.
The minimum measurement values are 25 mA and 10 V.
The measurement accuracy is %1.
It can measure phase-phase and phase-neutral voltages that belong to three phase, cur rent, frequency value and neutral-to-earth voltage.
The power consumption is 4.0 -8.5 VA in the relay output version and 3-7 VA in the normal version.
It can optionally have two 5 A relay outputs.
It has three 4-digit 7-segment displays.
The dimensions of the device (width-length-depth) are 97.5x97.5x50.5 mm.
It operates under 85-265 V AC voltage.
It has current, voltage (phase-phase), voltage (phase-neutral), frequency, control outputs, menu and k (x1000) LEDs.

1.3. Technical Drawing



1.4. Connection Diagram

