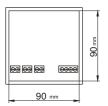
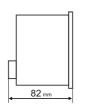
Dimensions

KMM 01U













DIGITAL MULTIMETER KMM 01U





User Guide

General Specifications

KMM 01U:

KMM 01U is very advanced multimeter which gives user precise readings in 4 digits and seperate CT ratio adjustments for flexible systems. It is not only measures the current pulled from the L1, L2, L3 but also voltage and frequency of those lines in True RMS.

There is 5 rows for measurement digits. Three for the currents that are showed continuously, one for the voltage that is cycling every 3 seconds $(V_{L_1}, V_{L_2}, V_{L_3}, V_{L_1-L_3}, V_{L_2-L_3})$ and one for the frequency of the line voltmeter shows (between phases shows the first phase's frequency).

Ampermeter:

Measures very accurately, the current value of the line (AC+DC)in True RMS. When the reading excesses 9999A, it shows Err1 fault message.

- * Each line can be measured between 0-9999A.
- 4 digit display gives exact values.
- * Each line can have different CT ratio.
- This gives flexibility for further modifications of the system.
- * CT ratio can be between 1...2000 any value,
 - This gives the opportunity of CT calibration.

Voltmeter:

Measures very accurately, the voltage value of the line (AC+DC) in True RMS. The values measured shown every 3 seconds ($V_{L_1}V_{L_2}V_{L_3}V_{L_1L_2}$, $V_{L_1+L_3}$, $V_{L_2L_3}$) in a cycle. If user would like to observe any of the lines value, the only thing is to select the desired value, it will show selected value for 60 seconds continuously, than begins to cycling again.

Frequencymeter:

Shows the frequency of the line that voltmeter shows. When the voltmeter shows between phases values it shows first phase's frequency. For example: If the voltmeter shows L2-L3 value frequencymeter shows L2 frequency.

CT Ratio Adjustment:

By pressing the MENU () button on the front panel, desired current can be choosed, then CT ratio of the current shown; by pressing ()) adjustment dan be done. For saving adjusted value, just waiting for 5 sectords is enough.

Technical Specifications:

Measurement Range : Ampermeters : 0...9999 A

Voltmeter L1 : 180...260 VAC

L3:0...300VAC Frequencymeter: 30...70 Hz.

Accuracy : Ampermeter : ± (%1 + 1)

Voltmeter : ± (%1 +1)

Frequencymeter : \pm (% 0,2 + 0,1)

Class : 1 CT Ratios : 1...2000

Screen : Ampermeter Voltmeter

: Ampermeter : 3 x 4 digits Voltmeter : 3 digits Frequencymeter : 3 digits

Supply Voltage : 230 Vac ± %20, 50/60 Hz

Power Consumption : <=3W

Ambient Temperature : -5...+55 C°
Flectrical Connector Socketed Connectors

Connection : Vertical or Front Panel

Dimensions : 96 x 96 mm

Current Measurement Inputs L3 L2 L1

Supply
And
Voltage Measurement
Inputs
L3 L2 L1 N

Note: Device will be damaged when voltage is applied to the current entry or current transformer is selected smaller than needed(as over current will be applied to the device).