

## MULTIMETER

## SEM-06/60D/250D and SEM-06DIN/60DIN/250DIN ENG

### General

Multimeter are designed to display 3 phase current, voltage and frequency.

### Usage of Device and Working Principle

Make the connections according to the diagram. Connect the current transformers before electric charges to be connected to the system. Current transformers dont sense voltages which connected before them. Apply max 5 A the current inputs. Press the menu button once the energy given to the device. Please enter the current value that you are using by pressing up – down buttons, to save it please press menu button once again. If the current transformer value is over 1000/5 please be sure that you can see the kA leds. Under normal working circumstances when the current value is over 1000A kA led that belongs to that phase gets on. You can observe the current values at the system trough the second display group at the right side of the screen. You can see the frequency between phase and phase, phase and neutral at the first display group. When the voltage values is shown (V) led gets on. While pressing the up button ,phase-phase range can be seen. When the phase-phase values is shown you can see the leds on phase – phase. While pressing theup buttons you can see the frequency value and Hz led gets on.

**Phase Sequence:** If the phase sequence is reverse you can see the (X1) led gets on which take place in the 1st display group.

### Maintenance

Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. Make sure device works after cleaning.

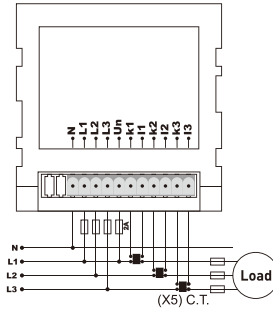
### Warnings

Please use the device according to the manual.  
Don't use the device in wet.  
Include a switch and circuit breaker in the assembly.  
Put the switch and circuit breaker nearby the device, operator can reach easily.  
Mark the switch and circuit breaker as releasing connection for device.

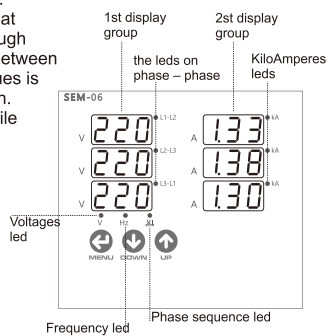
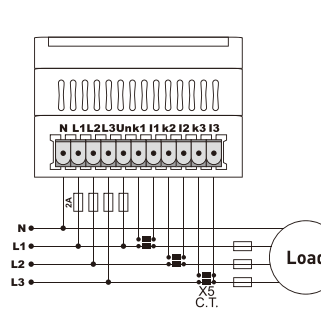
### Tecnical Specifications:

Operating Voltage(Un).....: 140V-270V AC { N - Un }  
Operating Frequency.....: 50/60 Hz.  
Operating Power.....: <6VA  
Operating Temperature.....: -20°C.....+55°C  
Voltage Measuring Range...: 1V - 500V AC  
Current Measuring Range...: 5/5A - 9995/5A (100mA-5A),  
SEM-60XXX(1A-100A) and SEM-250XXX(2A - 250A)  
Display.....: (3 digit) 6x Displays + 9 Leds  
Connection Type.....: Plug-in terminal  
Cable Diameter.....: 1,5mm<sup>2</sup>  
Weight.....: Max. 325gr.  
Panel Hole Sizes.....: 91x91mm(SEM-XXX)  
Mounting.....: Panel front mounted(SEM-XXX),  
Assembled on the din rail.(SEM-XXXDIN)  
Operating Altitude.....: <2000meter

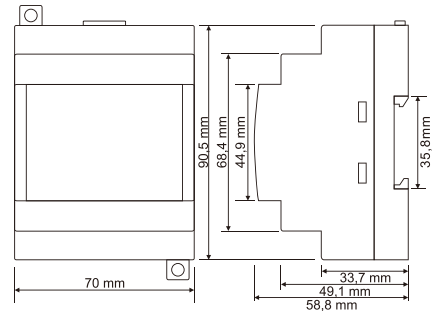
Connection diagram for SEM-XX



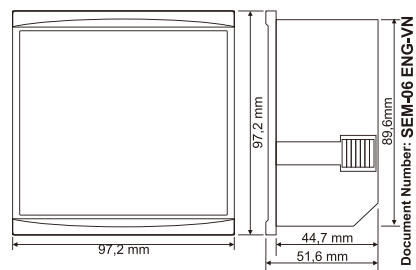
Connection diagram for SEM-XXXDIN



Dimensions for SEM-06DIN/60DIN/250DIN



Dimensions for SEM-06/60D/250D



Document Number: SEM-06 ENG-VN

