



MM3-4A

## 3PH MULTI METER 4 Display

True RMS

- True RMS
- Simple menu
- High accuracy measurement
- 4 rows of monitors
- Ability to select CT with a push button
- Ability to select displaying of phase and line voltages or frequency with a push button

### Installation

A1 and A2 terminals: These terminals are 220 V inputs for the power supply of the system.  
 CT R: is for connecting the current transformer (CT) of the R phase.  
 CT S: is for connecting the current transformer (CT) of the S phase.  
 CT T: is for connecting the current transformer (CT) of the T phase.  
 R: is for R phase connection.  
 S: is for S phase connection.  
 T: is for T phase connection.  
 MP: is for null phase connection.

### Principles of Operation

At first, connect the power to A1 and A2 terminals. After installing the target current transformer (CT), it would be adjusted by the CT button on the system. Now by pressing CT switch, the word CT would be appeared on the first monitor in the left side of the system, and the lower monitor would display the conversion factor of your target current transformer. After selecting the target current transformer, hold the CT button for 3 seconds in order that the system saves your settings. Now, the first monitor displays the word "save". The system would return to the display mode by leaving the button.

- **Note:** If the system enters the CT setting menu, and the CT button is not pressed for 10 seconds, the system would return to the current display without saving the values. In order to read the voltage, you can use MP, R, S and T terminals in the back of the system. In order to select voltage for each phase, three-phase, or frequency, you can use the V/F button. By selecting each mode, the related lamp would be turned on.

### Technical Specifications

- Supply voltage: 180 to 240 Volts AC
- Power frequency:  $50 \pm 5$  Hz
- Voltage measurement range: 50 to 500 Volts AC
- Voltage measurement accuracy:  $\pm 1$  V, Class 0.5
- Current input range: Without current transformer, 0 to 10 amps
- Current transformer range: 50 to 5 amps - 4000 to 5 amps
- Current measurement accuracy:
  - CTs of less than 50 amps  $\pm 0.1$  amps
  - CTs of more than 50 amps  $\pm 1$  amps
- Frequency measurement range: 0 to 100 Hz
- Frequency measurement accuracy:  $1 \pm$  Hz
- Operating temperature: 0 to 70 °C
- Humidity: 90%

