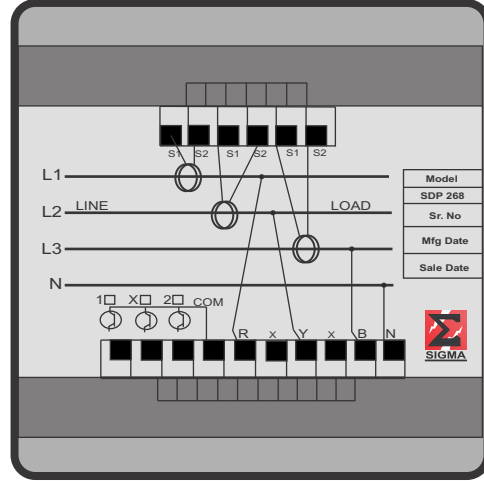




FRONT VIEW



REAR VIEW

Features

1. Measures all the parameters (Voltage, Current, KW, Kvar, Power Frequency) of all three Phases.
2. Programmable CT.
3. Contains an internal power Factor Control Unit with three Modes for Power Factor Correction:
 - a. Contains an internal Power Factor Control Unit with three Modes for Power Factor of all three phases and provides two correction signals based on the programmed value.
 - b. Kvar Mode: The system monitors the total Kvar consumption and provides two correction signals based on the programmed value.
 - c. Auto Mode: The system automatically switches between Power Factor Mode and Kvar depending upon the total KW consumption (of all three phases).
4. Dead band setting for Power Factor Correction.
5. Measures KWH and KVAH.
6. Automatic Power Fail Save feature.

On Board Components

This section describes various components of the Device. There are three sections located in the front face of the meter

- 1.Parameter Window:** This section consists of six Seven Segment displays which display the current value of a selected parameter.
- 2. Selected Parameter Indicators:** This section consists of twelve LEDs which indicate which parameter's value is currently being displayed in the Parameter Window. The First Three LEDs designate three Phases (R, Y, B) while the remaining nine LEDs are for the parameter.
- 3.Keyboard:** This section consists of four keys which are used to get input for the user.

Field Programming

1. Press the SET key for 4 seconds, a new window with rightmost digit blinking will appear indicating that the device has entered the edit mode.
2. The windows for different parameters appear in a definite sequence and any desired value can be assigned to it by using the following procedure as per user's requirement.
3. After entering the edit mode, assign value to the right most blinking digit by using up/down key and once assigned press the Shift to move on to next digit. Now this digit will start blinking and now value is assigned to this digit and so on.
4. By pressing the SET key, next edit window will appear with next parameter to be edited which is 'PF correction mode' is to be operated as per users requirement i.e.
 - a. **Auto Mode:** The System automatically switches between Power Factor Mode and KVar depending upon the total KW consumption (of all three phases).
 - b. **Power Factor Mode:** The System monitors the total Power Factor of all three phases and provides two correction signals based on the programmed value.
 - c. **KVar Mode:** The System monitors the total KVar consumption and provides two correction signals based on the programmed value.
5. The next window is assigning value to the PF mode which is in previous window.

Note : Device will **NOT** monitor any parameter for the time it remains in Edit Mode.

The Device will **NOT** fire alarms while in programming mode.

Display Modes

There are a total of 25 Display Windows. The meter can display these windows in a scrolling fashion, or can stay on the parameter it is told to do so. Put in other words, there are two display functions:

- 1.Window Scroll:** The system displays a parameter value for 5 seconds, after which it proceeds to display the next parameter's value. This function is set by default. While in this mode, the Parameter Indicator blinks to indicate the Scroll display function.
- 2.Window Halt:** The system remains on the window where it was last set. While in this mode, the Parameter Indicator remains switched on.

R	Y	B
1	2	3
A	V	PF
4	5	6
W	VA	VAR
7	8	9
Hz	WH	VAH
10	11	12

Following Parameter are displayed in this meter

R Phase Ampere Window
R Phase Volt window
R Phase PF Window
R Phase KW Window
Y Phase Ampere window
Y Phase Volt Window
Y Phase PF Window
Y Phase KW Window
Y Phase Kva Window
Y Phase Kvar Window

B Phase Ampere Window
B Phase Volt Window
B Phase PF Window
B Phase KW Window
B Phase KVa Window
B Phase Kvar Window
3 Phase PF Window
3 Phase KW Window
3 Phase Kvar Window
3 Phase Frequency Window
3 Phase Kwh Window
3 Phase KVah Window