

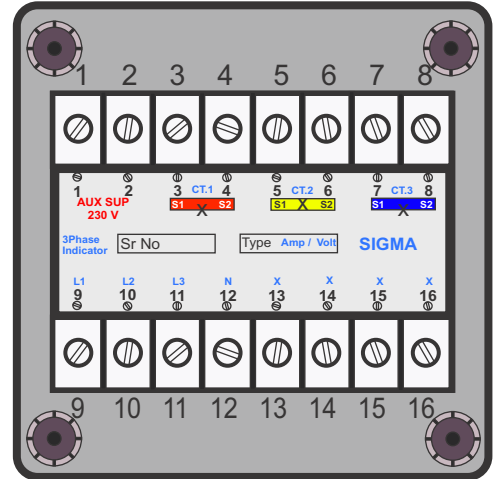


AC Voltmeter 3 Phase

SDP 290



FRONT VIEW



REAR VIEW

Features

- ✓ Latest Micro Controller based Technology
- ✓ Size: 96 × 96 mm
- ✓ 24 bit ADC for data acquisition.
- ✓ 4 bright red 0.56" digit display
- ✓ Input code common for all phases
- ✓ Max count of 9999
- ✓ Panel Mounted Meter
- ✓ Leading zero blackened to save power
- ✓ Universal type allows installation in LT and HT Panels
- ✓ 3 LEDs indicating data display for phases R, Y and B.

Connection Pattern

Aux Supply	Terminal 1, 2	
Suggested Input	Aux. supply 170v to 270vAc Input more than 300 can damage the device	
Voltage measured on	R	Terminal 9 (L1)
	Y	Terminal 10 (L2)
	B	Terminal 11 (L3)
	N	Terminal 12

Field Programming

This is a three phase Volt meter which allows input values from 0 to 1000 Volt AC . It can also be used for single and double phase environment or with respect to the neutral. Since it is compatible with both LT and HT based PT installations, it needs to be programmed as per requirement . PT Ratio code is common for all phases and its value can be seen and changed by pressing set button for some time . Voltage output for all phases is measured with respect to neutral. Codes from table given below should be used to program the device.

PT Ratio	CODE
3.333 kv / 110 v	0003
6.666 kv / 110 v	0006
11.00 kv / 110 v	0011
33.00 kv / 110 v	0033
66.00 kv/ 110 v	0066
132.0 kv/ 110 v	0132
220.0 kv/ 110 v	0220
0-750.0 v Ac Direct	any other say240

LED (R, Y or B) indicate the phase associated with current displayed voltage. The device can display output voltage from different phases in following two modes:

- **SCROLL:** Displays Voltage alternatively for each phase i.e. One after the other in a sequential manner.
- **HOLD:** Continuously displays output voltage for a particular phase (indicated by LED). Press set button for few seconds to set next phase on Hold mode i.e. to display the voltage of this phase continuously.

To select a display mode, press set button for a while. The name of current mode (SCROLL or HOLD) will appear for few seconds followed by name of other mode. Release the button on name of mode which is to be set.

Steps to Program:

- 1 Press set button until the current code appears with rightmost digit blinking (approx 10 seconds).
- 2 Use steps given below to enter new code (from table above):
 - Use set button to assign desired value (between 0-9) to this blinking digit.
 - Wait after assigning the value to above digit until the next digit to its left starts blinking.
 - Repeat the same procedure to enter desired Code by setting proper values for all digits.
- 3 If code entered is correct, "0CC0" will appear on screen.
 - Press set button again, "AD0" will be displayed which signifies that code is saved.
 - If set button is not pressed, "E0E" will be displayed which indicates error i.e. the changed value is not saved.
- 4 If code entered is wrong (not from table above), display comes out of edit mode without saving it. Previous code remains applicable in this case.

**Note: All digits can take values from 0-9*