



**TECHNICAL SPECIFICATION**

**INPUT SPECIFICATION :**

Direct Voltage AC	30 to 300V AC (L - N) 50 to 520V AC (L - L)
Primary PT	100V to 520kV AC (L-L) (Selectable)
Secondary PT	100V to 520V AC (L-L) (Selectable)
Frequency	45.0 Hz to 65.0 Hz
Resolution	1 Volt
Accuracy	Class 0.5

**DISPLAY AND KEY :**

Display	4 digit, 1line, 7 seg, 0.56" RED LED
Keys	SET/ENT, INC, DEC
LED Indication	L1, L2, L3, Avg, L-L, L-N, Hz

**Dimension :**

Dimension (mm)	72 (H) x 72 (W) x 35 (D) mm
Panel Cutout	72 (H) x 72 (W) mm

**ACCURACY**

Class 0.5 (Standard)
----------------------

**AUXILIARY SUPPLY :**

Supply voltage	100 to 270V AC, 50/60Hz
Power consumption (VA RATING)	3 VA MAX

**ENVIRONMENT CONDITION :**

Operating Temp.	0 °C to 55 °C
Relative Humidity	UP to 95% RH (non-condensing)
Protection Level (As per request)	IP-65 (Front side) As per IS/IEC 60529 : 2001

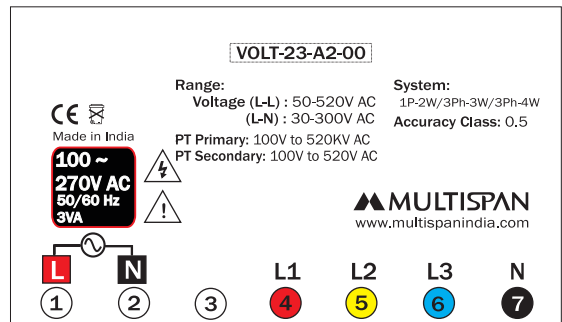
**NETWORK CONNECTION :**

3Ø-3W/3Ø-4W/1Ø-2W

**MECHANICAL INSTALLATION**

Outline Dimension (mm)	Panel Cutout Dimension (mm)









**TERMINAL CONNECTION**



**DISPLAY PAGE**

3Ø-4W	3Ø-3W	1Ø-2W
<p>1) Voltage L1-N</p>	<p>1) Voltage L1-L2</p>	<p>1) Voltage L1-N</p>
<p>2) Voltage L2-N</p>	<p>2) Voltage L2-L3</p>	<p>2) Frequency</p>
<p>3) Voltage L3-N</p>	<p>3) Voltage L3-L1</p>	
<p>4) Average</p>	<p>4) Average</p>	
<p>5) Frequency</p>	<p>5) Frequency</p>	

## KEY OPERATION

FUNCTION	PRESS KEY
<b>OPERATOR MODE</b>	
To enter in parameter setting	 For 5 sec
To view individual phase voltage	 OR 
To Scroll & Hold Page	 + 
<b>PARAMETER SETTING MODE</b>	
It is used to set parameter value and to be save & exit from menu	
To increment value in parameter setting	
To decrement value in parameter setting	

## MECHANICAL INSTALLATION

1. Prepare the panel cutout with proper dimensions as shown above.
2. Fit the unit into the panel with the help of clamp given.
3. The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oil steam, or other unwanted process byproducts.
4. Use the specified size of crimp terminal (M3.5 screws) to wire the terminal block. Tightening the screws on the terminal block using the tightening torque of the range of 1.2 N.m.
5. Do not connect anything to unused terminals.

## INSTALLATION GUIDELINES

- 1) Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
- 2) Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
- 3) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

## SAFETY PRECAUTION

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment.



Read complete instructions prior to installation and operation of the unit.



**WARNING** : Risk of electric shock.

## WARNING GUIDELINES



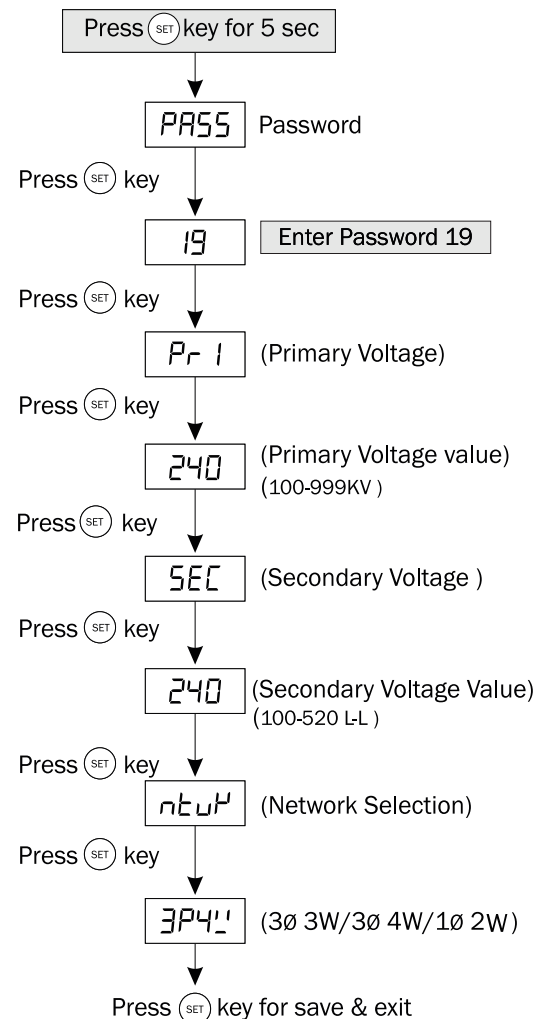
**WARNING** : Risk of electric shock.

- 1) To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
- 2) To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
3. Cable used for connection to power source, must have a cross section of 1mm or greater. These wires should have insulations capacity made of at least 1.5kV.
- 4) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

## MAINTENANCE

- 1) The equipment should be cleaned regularly to avoid blockage of ventilating parts.
- 2) Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
- 3) Fusible resistor must not be replaced by operator.

## PARAMETER SETTING



Specifications are subject to change, since development is a continuous process, So for more updated operating information and Support, Please contact our Helpline: +91-9081078683/81 or Email at [service@multispanindia.com](mailto:service@multispanindia.com) Ver:202102