

# SMART Series, 3 Phase Volt Meter

## Model Number: V396 – V

### Size: 96x96.



## Product Overview:

Smartcontroller offers the SMART series 3 phase Volt Meter which adopts alternating current sampling techniques. This enables it to measure 3 phase voltage in the grid with high accuracy, good sensitivity and excellent resistance to vibrations.

## Installation and Handling:

The device is easy to maintain and handle, easy to wire and very simple to install for the ease of user and only qualified person should be involved in the wiring and installation job of this power meter. Certain parts of the power meter does contain high voltage, improper handling therefore can cause serious injuries and device damage.

There are certain points that need to be taken into strict account as follow:

- Only use insulating tools
- ↳ Do not connect when circuit is live
- ↳ Place the device in only dry surroundings
- ↳ Avoid installing the meter in mild dew conditions, explosive area and dusty environments
- ↳ Make sure that the wire used is suitable for the maximum current of this meter
- ↳ Make sure the AC wires are connected correctly before activating the current/voltage to the meter
- ↳ Do not touch the meter connecting clamps with bare hand, metal, blank wire or any other material as it may experience in an electric shock
- ↳ Do not drop or allow physical impact to the meter as the internal components are of high precision and may result in breakage and malfunction of the device

## Certifications

V396 – V complies with all the international standards which includes certification from standards such as EN-61326-1: 2013, EN 50470-1: 2006 and also confirm all the requirements of MI-003 of EC Directive 2004/ 22/EC.

## Warranty:

All Smartcontroller products are covered for a total warranty period of 24 months.

*\*The same power meter is available in size 72x72. (Model Number V372-V)*

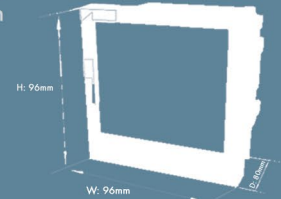
## TECHNICAL DATA:

### Measurement:

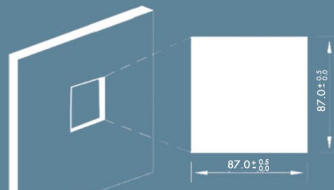
- Accuracy Class: Class 0.5
- Display Range: 0.000–9999
- Overload Continuous: 1.2 times
- Instantaneous: Current 10 times / 5 seconds
- Nominal Input: AC Current  
100V~600V, using voltage transformer
- Power Consumption: Less than 2VA
- Dielectric Strength: 2kV/1min
- Frequency: 45–65Hz

### Dimensions:

Height: 96mm  
Width: 96mm  
Depth: 80mm



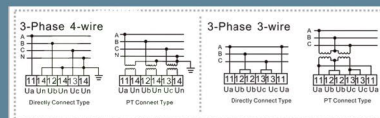
### Installing Diagram



### Environment:

- Working Temperature: -10~55 Degree Celsius
- Storage Temperature: -25~70 Degree Celsius
- Relative Humidity is less than 93%, no corrosive gas
- Elevation: Less than 2500m

### Wiring Diagram



Power		Voltage							
L	N	3-Phase 3-wire	→	11	12	12	13	13	11
1	2	3-Phase 4-wire	→	11	12	12	13	13	11

### Electromagnetic Compatibility:

- ESD (Electro-Static Discharge): Level 4
- Electrical fast transient burst: Level 4