



SMART SERIES, SINGLE PHASE FREQUENCY METER

Model No: SMART-VEN 961 F

- The Smart Series Single Phase Frequency Meter
- That Adopts Alternating Current Sampling Techniques.
- This enables it to measure frequency in the grid with high accuracy, good sensitivity and excellent resistance to vibrations.



INTRODUCTION

The device is easy to maintain and handle, easy to wire and very simple to install for the ease of use and only qualified person should be involved in the wiring and installation job of this power meter. Certain part 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.
- 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 drop or allow physical impact to the meter as the internal components are of high precision material as it may experience in an electric shock and may result in breakage and malfunction of the device.

TECHNICAL DATA

| | |
|------------------------|--------------------------|
| Accuracy Class | Class 0.5 |
| Voltage Input | AC 220V |
| Overload | Continuous 1.2 times |
| Instantaneous | Voltage 2 time/1 seconds |
| Auxiliary Power Supply | AC 220V |
| Display Range | 0.000-9999 |
| Instantaneous | Current 10times/5seconds |
| Nominal Input | AC Current 1A, 5A |
| Power Consumption | Less than 2 VA |
| Isolation Voltage | Input/Output 2kV/1 min |
| CT Ratio | 0001-9999 |
| PT Ratio | 0001-9999 |
| Dielectric Strength | 2kV/1 min |
| Frequency | 45-65Hz |

ENVIRONMENT

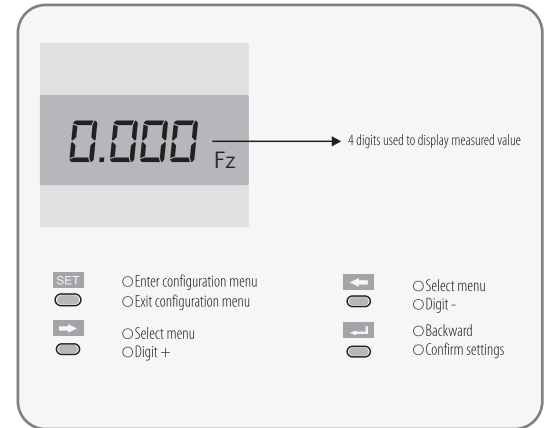
| | |
|---------------------|-----------------------------------|
| Working Temperature | -10 ~ 55 Degree Celsius |
| Storage Temperature | -25 ~ 70 Degree Celsius |
| Relative Humidity | Less than 93%, (No corrosive gas) |
| Elevation | Less than 2500m |
| Height | 96mm |
| Width | 96mm |
| Depth | 80mm |

ADDITIONAL METER

| SIZE | TYPE | MODEL |
|------------|--------------|--------------------|
| Size 72X72 | Single Phase | Model No. VEN721-F |
| Size 96x96 | Three Phase | Model No. VEN936-F |
| Size 72x72 | Three Phase | Model No. VEN723-F |



DIMENSIONS



WIRING DIAGRAM

