

SMART Series, Single Phase Frequency Meter

Model Number: SMART VEN961-F
Size: 96x96.



Product Overview:

Smartcontroller offers the SMART series Single phase Frequency Meter which adopts alternating current sampling techniques. This enables it to measure frequency 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 issuitable 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

VEN961-F 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 3 Phase. (Model Number SMART VEN963F)
- Also available in single phase and three phase size 72x72, (Model Number SMART VEN721F, SMART VEN723F) and single phase size 48x96 (Model Number SMART VEN481F)

TECHNICAL DATA:

Measurement:

- Accuracy Class: Class 0.5
- Voltage input: AC220V
- Overload: Continuous: 1.2times, Instantaneous: Voltage 2 times/1seconds
- Auxiliary power supply: AC220V
- Display Range: 0.000-9999
- Overload: Continuous 1.2times
- Instantaneous: Current 10times/5seconds
- Nominal Input: AC Current 1A, 5A
- Power Consumption: Less than 2VA
- Isolation voltage: Between power supply/input/output 2kV/1min
- CT ratio: 0001-9999
- PT ratio: 0001-9999
- Dielectric Strength: 2kV/1min
- Frequency: 45-65 Hz

Dimensions:

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

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