

# VAF-16

## 3 Phase VAF Panel Meter



# TECH SPECS

Dimension (HxWxD) mm	96 x 96 x 52
Input	3Ø - 4 Wire / 3Ø - 3 Wire / 1Ø - 2 Wire
Voltage	30-300V AC ( L-N ) /50-500V AC ( L-L )
Current	Primary CT Ratio : UP to 10000A Selectable Secondary Current : 5Amp (0.5 to 5Amp) OR 1Amp (0.1 to 1Amp)
Parameters	Voltage : $V_{LL}, V_{LN}, Avg$ Current : All Phase Current ( $I_R, I_Y, I_B$ ), Avg Frequency : System Frequency
Accuracy	Class 0.5
Power Supply	100 To 270V AC, 50/60 Hz Approx 4VA
Certification	

# APPLICATIONS

Control & Relay Panel

Original Equipment  
Manufacturers ( OEMs )

Energy Management System

DG Set Panels

LT Panel

Power Control Center Panels

Motor Control Center Panels

# Technical Specifications

## Meter type

1Ø- 2W / 3Ø- 4W / 3Ø- 3W ( Selectable )

## Input

### Voltage

**Direct Voltage** 30 To 300V ( L-N )  
50 TO 500V ( L-L )

**Burden** <0.2 VA

### Current

**Secondary Current** 5A (0.5 to 5Amp)  
or 1A (0.1 to 1Amp)

**Burden** <0.2 VA

**CT Ratio** 5 To 10000A Programmable

**Overload** For 5A CT : 6A Continuous  
For 1A CT : 1.2A Continuous

**Starting Current** 500mA

**Frequency** 45.0 TO 65.0 Hz

## Auxiliary Power Supply

**Power Supply** 100 to 270V AC, 50/60Hz

**Burden** 4VA

## Physical

**Mounting Type** Panel Mount

**Size ( H x W x D )mm** 96 X 96 X 52

**Front Bezel ( H x W ) mm** 96 X 96

**Panel Cutout ( H x W ) mm** 92 X 92

**Depth Behind panel (mm)** 52

**Material** ABS

**Accessory** 2 Panel Mounting Clamp

**Weight (gm)** 347

**Enclosure Protection (As Per Request)** IP 65 ( Front Side )

**Terminal & Cable Size** Barrier Type terminal  
Cable Size ( 2.5 mm<sup>2</sup> )

## Display & Keys

**Display** 3 Digit, 6Line 7 seg. 0.36"  
Red LED Display

**Key** Menu, Inc, Dec, Scroll

**LED** A, KA, V<sub>LL</sub>, V<sub>LN</sub>, Avg, PS

## Environmental

**Working Temperature** 0 to 55 °C

**Storage Temperature** 0 to 55 °C

**Relative Humidity** 95% RH Non-condensing

**Warm up time** 5 minutes

## Calculated Parameters

**Voltage** V<sub>LL</sub>, V<sub>LN</sub>, Avg

**Current** All Phase Amp, Avg Amp

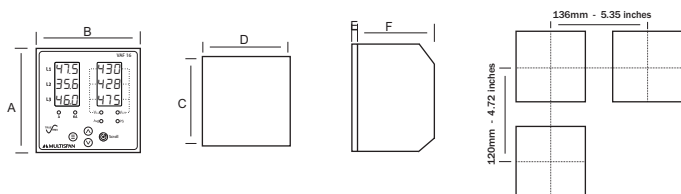
**Frequency** System Frequency

**Phase Sequence** Indication

## Accuracy

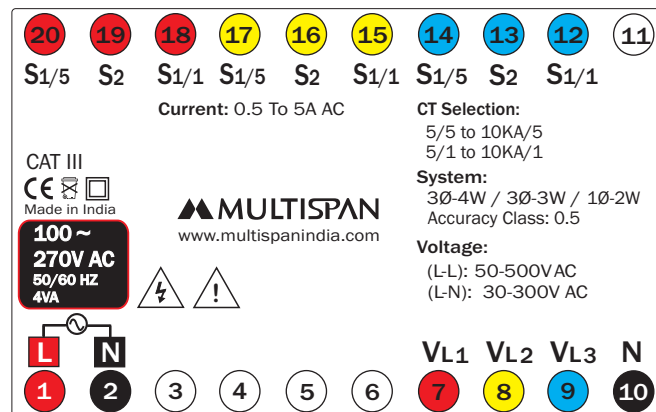
Class 0.5

## Mechanical Dimension



MODEL	A	B	C	D	E	F
DIMENSIONS	96mm	96mm	92mm	92mm	3mm	52mm

## Connection Diagram



VAF-16