

VAF36A

VAF39A

VAF39A-1

SPECIFICATIONS

Display

- VAF36A** : 3 rows of 3 digit,
Liquid Crystal Display 0.56 inch digit height
- VAF39A** : 3 rows of 3 digit,
7 segment LED display 0.56 inch digit height
- VAF39A-1** : 3 rows of 3 digit,
7 segment LED display 0.58 inch digit height
integrated with parameter units

LCD Indications (VAF36A)

- 1) LCD indications for all measuring parameter (V, I, F)
- 2) Bargraph indicates amount of % current present
in the system (Independent of key press)

LED Indications (VAF39A/ VAF39A-1)

- LED indications for all measuring parameter (V, I, F)

Wiring Input

- 3 Ø - 3 wire and 3 Ø - 4 wire system

RATED INPUT VOLTAGE

- 11 to 300V AC (L-N) ; 19 to 519V AC (L-L) ;
Installation Category III (600V)

UL Approval :

- 11 to 277V AC (L-N) ; 19 to 480V AC (L-L) ;
Installation Category III (600V)

Frequency Range : 50/60 Hz

Rated Input Current

- Nominal 5A (Min-20mA, Max-6A)
(For VAF39A-1 : Min-30mA)

CT Primary

- 5A to 10,000A (Programmable for any value)

CT Secondary : 5A (Fixed)

PT Primary

- 100V to 500kV (Programmable for any value)

PT Secondary

- 100 to 500V AC (L-L) (Programmable for any value)

Display update time

- 1 sec. for all parameters

Display Scrolling

- Automatic or Manual (Programmable)

POWER CONSUMPTION : 5VA

RPM

- 1350 - 1950 [Pole : 0 (Range : 0 - 98,selectable
in steps of 2), Frequency : 45 - 65Hz]

Run Hour : 0 - 99999.9 hr

Burden : 0.5VA @ 5A per phase

Resolution

- For current and voltage, resolution depends on
CT and PT primary setting
- For RPM, resolution is 0.1
- For Run Hour, resolution is 0.1hr

ENVIRONMENTAL CONDITIONS

- Indoor use
- Altitude of up to 2000 meters
- Pollution degree II

Temperature : Operating: -10°C to 55°C

Storage : -20°C to 75°C

Humidity : Up to 85% non-condensing

PROTECTION CLASS : II

Mounting

Panel Mounting

Weight

- VAF36A : 357 gms ; VAF39A-1 : 344 gms ;
VAF39A : 367 gms ; VAF39A-1-60VDC : 244 gms.

ACCURACY TABLE

Measurement	Accuracy
Voltage V_{L-N}	±0.5% of F.S. ±2 digit
Voltage V_{L-L}	±0.5% of F.S. ±2 digit
Average Voltage V_{L-N}	±0.5% of F.S. ±2 digit
Average Voltage V_{L-L}	±0.5% of F.S. ±2 digit
Current	±1% of F.S. ±2 digit
Average current	±1% of F.S. ±2 digit
Frequency	±0.1Hz ±1digit
Run Hour	±1%
RPM	±0.5%

SAFETY PRECAUTIONS

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 the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

Do not use the equipment if there is any mechanical damage.

Ensure that the equipment is supplied with correct voltage.



- Read complete instructions prior to installation and operation of the unit.
- Risk of electric shock.
- The equipment in its installed state must not come in close proximity to any heating sources, oils, steam, caustic vapors or other unwanted process by products.

- To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement.
- Wiring shall be done strictly according to the terminal layout. Confirm that all connections are correct.
- Use lugged terminals.
- To reduce electromagnetic interference use of wires with adequate r

AUTOMATIC / MANUAL MODE DESCRIPTION

Press A/M button for 3 sec. to toggle between Automatic and Manual mode.

Note : By default unit operates in automatic mode. In automatic mode online pages scroll automatically at the rate of 5sec. per page. In automatic mode when any key is pressed, unit temporarily switches to manual mode and the appropriate page is displayed, also if no key is pressed for 5 sec., unit resumes automatic mode.

