



### Features:

- 3 Ø (True rms) Voltage
- 3 Ø (True rms) Current
- Frequency
- Run Hour (Hour - Mins)
- RPM
- Programmable CT Primary, PT Primary & PT Secondary

Certifications: CE  LISTED

### Display Specifications

|              |                                      |
|--------------|--------------------------------------|
| Display      | 3 rows, Liquid Crystal Display       |
| Digits       | 3                                    |
| Digit Height | 0.56"                                |
| Bargraph     | For current representation in % form |

### Input Specifications

|                            |                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Connection      | 3Ø-3 wire & 3Ø-4 wire, 2Ø 3 wire, 1Ø-2 wire                                                                                                                                                                                                                                                                     |
| Input Voltage Range        | 11 to 300V AC, (Phase to Neutral)<br>19 to 519V AC, (Phase to Phase)                                                                                                                                                                                                                                            |
| Input Current Range        | Nominal 5A (Min-20mA, Max-6A)                                                                                                                                                                                                                                                                                   |
| Frequency                  | 50 or 60 Hz                                                                                                                                                                                                                                                                                                     |
| Display Scrolling          | Automatic / manual                                                                                                                                                                                                                                                                                              |
| RPM                        | 1350 - 1950<br>[ Pole: 0 (Range: 0 - 98, selectable in steps of 2), Frequency: 45-65 Hz]                                                                                                                                                                                                                        |
| Run Hour                   | 0 - 99999.9 hr                                                                                                                                                                                                                                                                                                  |
| Resolution primary setting | Current & Voltage: Depending on CT & PT<br>RPM: 0.1<br>Run Hour: 0.1hr                                                                                                                                                                                                                                          |
| Accuracy                   | Voltage(L-N / L-L): $\pm 0.5\%$ of F.S. $\pm 2$ digit<br>Average Voltage (L-N / L-L): $\pm 0.5\%$ of F.S. $\pm 2$ digit<br>Current: $\pm 1\%$ of F.S. $\pm 2$ digit<br>Average current: $\pm 1\%$ of F.S. $\pm 2$ digit<br>Frequency: $\pm 0.1\text{Hz} \pm 1$ digit<br>Run Hour: $\pm 1\%$<br>RPM: $\pm 0.5\%$ |
| Measurements               | 1) 3 Ø Voltage (L-N, L-L, Avg.)<br>2) 3 Ø Current (I1, I2, I3, Avg.)<br>3) Frequency<br>4) RPM<br>5) Run Hour                                                                                                                                                                                                   |

### Auxiliary Supply Specifications

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| Auxiliary Supply | 230V AC, $\pm 20\%$ (50/60 Hz)<br>110V AC, $\pm 20\%$ (50/60 Hz) |
| Burden           | 0.5 VA max @ 5A per phase                                        |

### Settable Parameters

|              |                                                                   |
|--------------|-------------------------------------------------------------------|
| CT Primary   | 5A to 10,000A (Programmable for any value)                        |
| CT Secondary | 5A fixed (External CT must be connected for current more than 5A) |
| PT Primary   | 100V to 500kV(Programmable for any value)                         |
| PT Secondary | 100 to 500V AC (L-L)<br>(Programmable for any value)              |

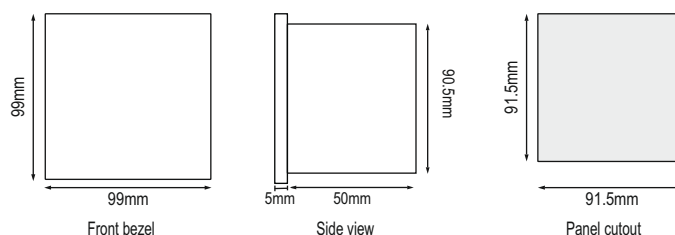
### Environmental Specifications

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Temperature               | Operating: -10 to +55 °C<br>Storage: -20 to +75 °C |
| Humidity (non-condensing) | Upto 85% RH                                        |

### Mechanical Specifications

|          |             |
|----------|-------------|
| Mounting | Panel mount |
| Weight   | 357 gms     |

### Dimensions



### Compliance

| Applicable EMI / EMC Standards |                |                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Standard : IEC 61326-1 |                |                                                                                                                                                                                                                                                                                                                    |
| Category                       |                | Standards Compliance                                                                                                                                                                                                                                                                                               |
| ESD Immunity                   | IEC 61000-4-2  | Level IV (Air discharge : 15kV),<br>(Contact Discharge : -8kV)                                                                                                                                                                                                                                                     |
| Surge Immunity                 | IEC 61000-4-5  | +/- 2kV common mode, (Line to ground)<br>+/- 1kV differential mode, (Line to Line)                                                                                                                                                                                                                                 |
| Radiated Susceptibility        | IEC 61000-4-3  | Level III, 80 to 1000MHz (10V/m)<br>Level II, 1.4GHz to 2GHz (3V/m)<br>Level I, 2GHz to 2.7GHz (1V/m)                                                                                                                                                                                                              |
| Conducted Susceptibility       | IEC 61000-4-6  | Level II (3V/m)                                                                                                                                                                                                                                                                                                    |
| Voltage Dips and Interruptions | IEC 61000-4-11 | <b>Dips</b> : 0% residual voltage /<br>1 cycle (Criteria B), 40% residual voltage /<br>10 cycles 50Hz / 12 cycles 60Hz (Criteria C)<br>70% residual voltage / 25 cycles<br>50Hz / 30 cycles 60Hz (Criteria C)<br><b>Interruptions</b> : 0% residual voltage /<br>250 cycles 50Hz / 300 cycles 60Hz<br>(Criteria C) |
| Conducted Emission             | CISPR-11       |                                                                                                                                                                                                                                                                                                                    |
| Radiated Emission              | CISPR-11       |                                                                                                                                                                                                                                                                                                                    |
| Electrical Fast Transient      | IEC 61000-4-4  | Level III (2kV)                                                                                                                                                                                                                                                                                                    |

### Ordering Information

| Product Code   | Supply Voltage    |                   | Certification |                            |
|----------------|-------------------|-------------------|---------------|----------------------------|
|                | 110V AC<br>(±20%) | 230V AC<br>(±20%) | CE            | UL <sup>US</sup><br>LISTED |
| VAF36A-230V-CE |                   | ■                 | ■             |                            |
| VAF36A-230V-CU |                   | ■                 | ■             | ■                          |
| VAF36A-110V-CE | ■                 |                   | ■             |                            |
| VAF36A-110V-CU | ■                 |                   | ■             | ■                          |

### Terminal Connections

