VAF36A

Voltage Current Frequency Meter

96 X 96mm

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 cULus 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) 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 [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 RPM: 0.1 Run Hour: 0.1hr
Accuracy	Voltage(L-N / L-L): ±0.5% of F.S. ±2digit Average Voltage (L-N / 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%
Measurements	1) 3 Ø Voltage (L-N, L-L, Avg.) 2) 3 Ø Current (I1, I2, I3, Avg.) 3) Frequency 4) RPM 5) Run Hour

Auxiliary Supply Specifications

Auxiliary Supply	230V AC, ±20% (50/60 Hz) 110V AC, ±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) (Programmable for any value)

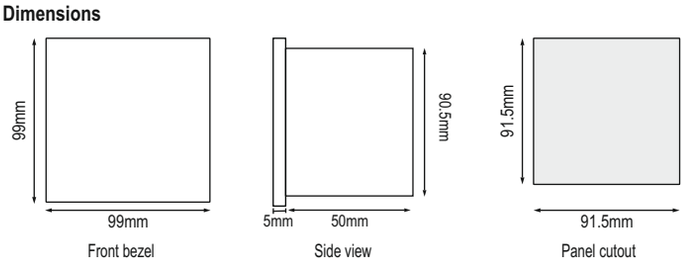
Environmental Specifications

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

Mechanical Specifications

Mounting	Panel mount
Weight	357 gms

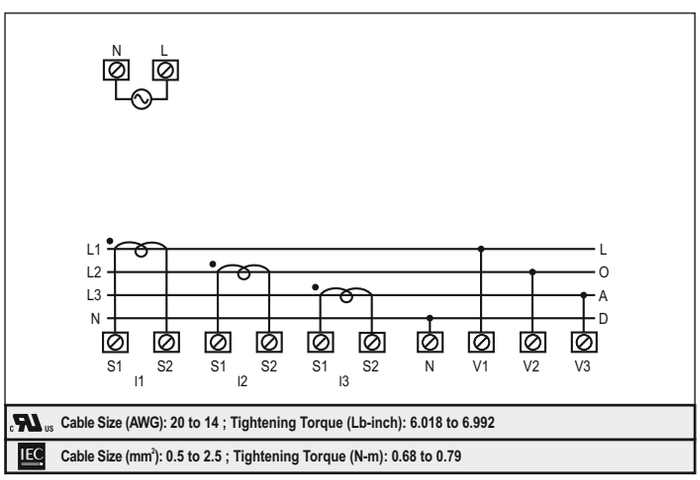
Dimensions



Compliance

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

Terminal Connections



Cable Size (AWG): 20 to 14 ; Tightening Torque (Lb-inch): 6.018 to 6.992

Cable Size (mm^2): 0.5 to 2.5 ; Tightening Torque (N-m): 0.68 to 0.79

Ordering Information

Product Code	Supply Voltage		Certification	
	110V AC (±20%)	230V AC (±20%)	CE	cULus LISTED
VAF36A-230V-CE		■	■	
VAF36A-230V-CU		■	■	■
VAF36A-110V-CE	■		■	
VAF36A-110V-CU	■		■	■