Voltage Current Frequency Meter

VAF36A

96 x 96mm

Features :

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

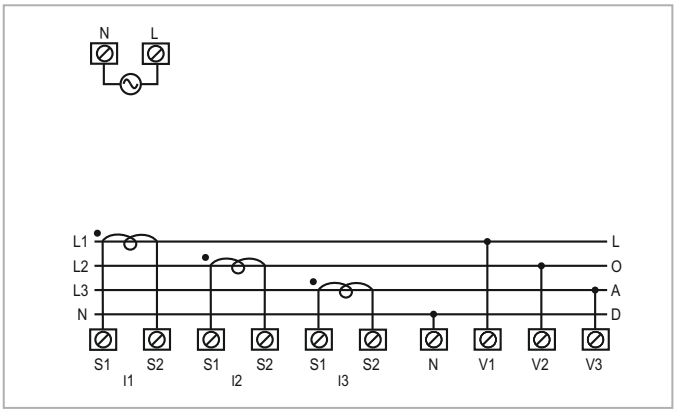
Certifications : CE cULus LISTED

Technical specifications

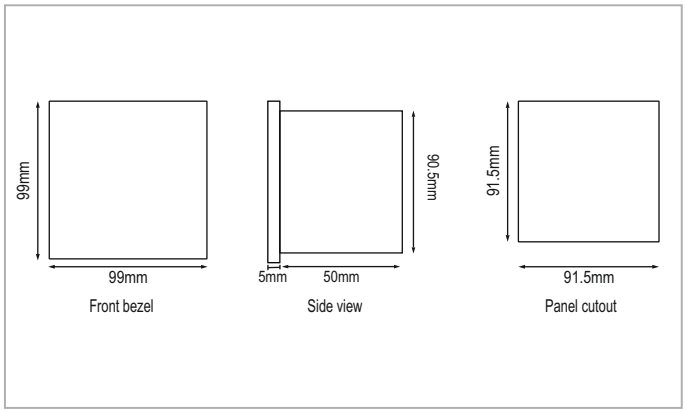
Display specifications	
Display	3 Rows, Liquid crystal display
Digits	3
Digit height	0.56"
Bargraph	For current representation in % form
Input specifications	
Electrical connection	3Ø-3W, 3Ø-4W, 2Ø 3W, 1Ø-2W
Input voltage range	11 to 300V AC, (Phase to neutral), 19 to 519V AC, (Phase to phase)
Input current range	Nominal 5A (Min-20mA, Max-6A)
Frequency	50 or 60Hz
Display scrolling	Automatic/Manual
RPM	1350-1950 [Pole: 0 (Range: 0-98, Selectable in steps of 2), Frequency: 45-65Hz]
Run hour	0-99999.9 hr
Resolution	Current & voltage: Depending on CT & PT
Primary setting	RPM: 0.1 Run hour: 0.1hr
Accuracy	Voltage(L-N/L-L): ±0.5% of F.S. ±2 digit 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 ±1 Digit Run hour: ±1% RPM: ±0.5%
Measurements	1) 3Ø Voltage (L-N, L-L, Avg.) 2) 3Ø Current (I1, I2, I3, Avg.) 3) Frequency 4) RPM 5) Run hour
Auxiliary supply specifications	
Auxiliary supply	230V AC, ±20% (50/60Hz), 110V AC, ±20% (50/60Hz)
Burden	0.5VA 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: -10º to +55ºC Storage: -20º to +75ºC
Humidity (Non-condensing)	Upto 85% RH
Mechanical specifications	
Mounting	Panel mount
Weight	357gm

Terminal connections



Dimensions (All are in mm)



Standards compliance

Applicable EMI / EMC Standards		
Product standard : IEC 61326 - 1		
Category	**Standards**	**Compliance**
ESD Immunity	IEC 61000 - 4 - 2	Level IV (Air discharge : 8kV), (Contact discharge : 4kV)
Surge immunity	IEC 61000 - 4 - 5	+ / - 2kV Common mode, (Line to ground)
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)

Ordering information

Product code	Supply voltage	Certification
VAF36A-230V-CE	230V AC	CE
VAF36A-110V-CU	110V AC	CE cULus LISTED