



**BLACK
CURRANT**

LE ELECTRONICS Pvt. Ltd.

Product name: *Voltage Ampere Frequency (VAF) Meter*



Model No: (VAF-3)

Electricals Parameters Measures & Displays

3 Phase Voltage (L-L, L-N), 3 Phase Current, Frequency

Features:

- True rms or Average selectable
- CT and PT ratio programmable
- Colour LED indication for R, Y, B, N
- True phase difference measurement
- Programmable display scan speed
- 32-bit microcontroller based design
- 12-bit ADC
- Compact, robust and light weight design
- Universal range auxiliary supply

- RPM and run-hour data for DG Set
- Selectable Single phase or 3 phase operation

Technical Specifications:

Measurement type:	3 Phase: 3wire / 4 wire Single Phase: 2 wire
AC Auxiliary supply:	90V AC to 270V AC, 50/60 Hz
Input Voltage Range:	50 V AC to 550 V AC
Input Frequency:	30 to 90 Hz
Rated Input Current:	Nominal 5A
CT Primary:	5 to 5000 Programmable
Resolution:	0.01, 0.1, 1 (depending on Auto range).
Burden on Line:	0.05 VA per phase (Maximum)
Burden on Aux:	2 VA (Maximum)
Accuracy class:	0.5%
Measurement:	<i>True RMS Measurement or average (selectable)</i>
Display Scan Time:	1 – 9 seconds Programmable
Display Scrolling:	Auto / Manual
Display Type:	7 segment LED; Height: 0.5”
Digits:	3 rows of 3 digits
Dimensions (mm):	96 mm x 96 mm
Mounting:	Flush Mounting with side clamp
Temperature:	Operating: 0 to 50 C Storage: -20 to 75 C
Weight:	235 Grams
Humidity:	< 95 % non- condensing
Parameter:	
Single phase:	(L N) Line Neutral
Three Phase:	
Voltage:	RY (Phase – Phase) YB (Phase – Phase) BR (Phase – Phase) RN (Phase – Neutral) YN (Phase – Neutral) BN (Phase – Neutral)

Amps: R (Phase)
Y (Phase)
B (Phase)

Resolution:

Parameters	CT Primary	Resolution
Current	< 10	0.01 A
Current	>= 10 < 100	0.1 A
Current	>= 100 < 1000	1 A
Current	>= 1000 < 1000000	1k A

Applications:

- Generator Control Panel
- Distributive Control panel
- Load Analysis System
- Electrical Control Panel
- Generator Sets
- Test Bench
- APFC Panel
- Energy Management
- Motor Control

Terminal Connections:

Contact:



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