

VAF Series (Volt-Ampere-Frequency Meters)

FEATURES

- Measurement Functions
 - 3 Ø Voltage (True RMS)
 - 3 Ø Current (True RMS)
 - Frequency
 - RPM
 - Run Hour
- Programmable CT Primary, PT Primary/Secondary



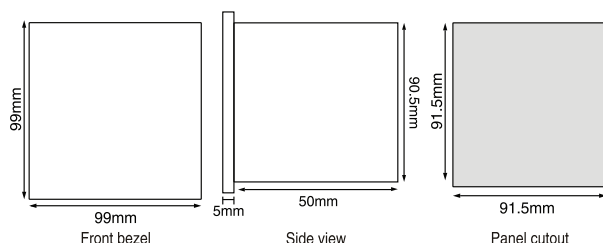
CAT. NO.

VAF36A-110V-CU

VAF39A-110V-CU

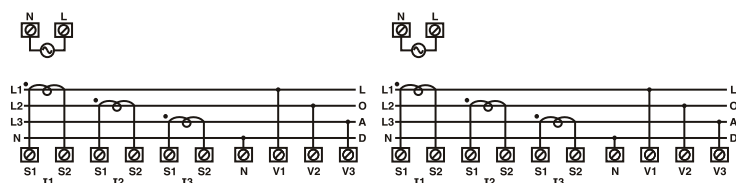
Display		
Display Type	LCD Display with backlight	7 Segment LED Display
Digits	3 rows of 3 digits	3 rows of 3 digits
Bargraph	Bargraph for current percentage	—
Display Scrolling	Automatic/ Manual	Automatic/ Manual
Supply Specification	110 VAC +/- 20% (50/60Hz)	110 VAC +/- 20% (50/60Hz)
Input Specification		
Electrical Wire System	3 Phase (3/4 wires)	3 Phase (3/4 wires)
Input Voltage Range	11 ~ 300 VAC (Phase to Neutral) 19 ~ 519 VAC (Phase to Phase)	11 ~ 300 VAC (Phase to Neutral) 19 ~ 519 VAC (Phase to Phase)
Input Current Range	20mA ~ 6A (External CT required for current >5A)	20mA ~ 6A (External CT required for current >5A)
Frequency	45 ~ 65Hz	45 ~ 65Hz
Parameter Resolution		
Current	0.01, 0.1, 1 A/KA	0.01, 0.1, 1 A/KA
Voltage	0.1 V/KV	0.1 V/KV
RPM	0.1	0.1
Run Hour	0.1 hr (0~99999.9 hr)	0.1 hr (0~99999.9 hr)
Accuracy Class		
Voltage (L-N, L-L), Current	+/- 0.5% of Full-Scale Value, +/- 2 digits	+/- 0.5% of Full-Scale Value, +/- 2 digits
Average Voltage (L-N, L-L), Current	+/-0.5% of Full-Scale Value, +/- 2 digits	+/-0.5% of Full-Scale Value, +/- 2 digits
Frequency	0.1 Hz	0.1 Hz
RPM	+/- 0.5%	+/- 0.5%
Run Hour	+/- 1%	+/- 1%
Output Specifications		
Pulse Output	—	—
Communication	—	—
Programmable Parameters		
CT Primary	5A ~ 10,000A (Programmable for any value)	5A ~ 10,000A (Programmable for any value)
CT Secondary	5A fixed (External CT must be connected for current >5A)	5A fixed (External CT must be connected for current >5A)
PT Primary	100V ~ 500 kV (any value)	100V ~ 500 kV (any value)
PT Secondary	100V ~ 500 VAC (any value)	100V ~ 500 VAC (any value)
Environmental Specifications		
Temperature	Operating: -10°C~55°C, Storage: -20°C~ 75°C	Operating: -10°C~55°C, Storage: -20°C~ 75°C
Humidity	Up to 85% RH	Up to 85% RH
Protection Level	IP65 for Faceplate	IP65 for Faceplate
Physical Specifications		
Size	1/4 DIN, 96 mm x 96 mm	1/8 DIN, 48 mm x 96 mm
Weight	0.79 lbs (357g)	0.79 lbs (357g)
Terminal Size Acceptability and Torque	20-14 AWG (0.5 - 2.5mm ²), 6-7 lb-in. (0.68 - 0.79Nm)	20-14 AWG (0.5 - 2.5mm ²), 6-7 lb-in. (0.68 - 0.79Nm)

DIMENSIONS



VAF Series

TERMINAL CONNECTIONS



VAF36A-110V-CU

VAF39A-110V-CU