



2310 / 2330 VAF Indicator

(1-Phase/ 3-Phase - Voltage/
Current/ Frequency)

2310 – Single Line 4 digits Display
2330 – Three Line 4 digits Display



True RMS



Maximum



Aux. Supply



Auto Scroll/
Favourite Page



Auto Scaling

Available In Class 1.0 Accuracy

Masibus VAF 2310 & 2330 are an easy-to-use, cost effective electrical VAF Indicator that offers all the basic measurement capabilities required for monitoring an electrical installation. It offers Class 1.0 accuracy. This Indicator measures accurately all three parameters Voltage, Current and Frequency.

VAF Meter is available in flush panel mount enclosure having front panel keys for easy setup.

The CT/ PT ratio and PT secondary is site selectable, making it possible to use the meter in various types of three phase & single phase installations.

It is having high-visibility Large LED display of 0.56" [14 mm], fully visible under bright sunlight.

VAF Meter has password protection for parameters setup

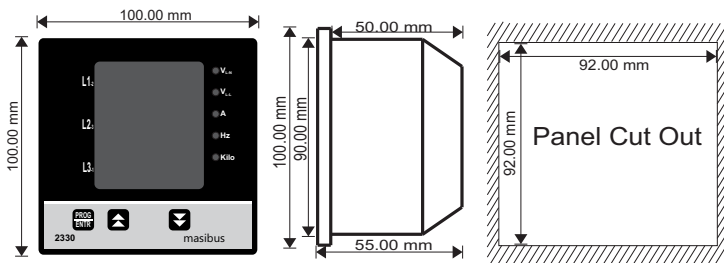
Features

- Accuracy class 1.0
- Compact DIN case flush panel mounting
- Ultra bright 4+4+4 digit LED display with auto scaling capability
- Field programmable CT/ PT Ratio
- True RMS, More than 100 Samples/cycle Microcontroller based calculation
- Universal Power Supply
- Auto scrolling feature for easy readability for all parameters even in Single line display as well.
- LED indicator for each parameter
- RPM [Available in 3 line 3-Phase VAF]
- ON Hour/ Run Hour [Available in 3 line 3-Phase VAF]
- Max Voltage and Current Indicator

Applications

- Test Benches
- Renewable Energy
- Lab Equipment
- Original Equipment Manufacturers (OEMs)
- Electrical Panels

TECHNICAL SPECIFICATIONS

Input		Accuracy	
System Type		Voltage	± 0.5% of F.S. ± 1 Digit (20 to 120% of Nominal value)
Three phase four wire (3P4W)		Current	± 0.3% of F.S. ± 1 Digit (1 to 120% of Nominal value)
Three phase three wire (3P3W)		Frequency	+/- 0.5% of Reading (>40V Input)
Single phase two wire (1P2W)		Auxiliary Power Supply	
Measured Parameters		Power Supply	90-270VAC, 50/ 60Hz or 100-300VDC
Voltage	L1-N, L2-N, L3-N, Max.Value L1-L2, L2-L3, L3-L1, Max.Value	Burden	< 3VA
Current	All Phase Current, Max. Value	Environmental	
Frequency	System Frequency	Working temperature	0 to 55 °C
RPM	Calculation based RPM [Available in VAF, 3 Phase 3 line Model Only]	Storage temperature	-10 to 70°C
Hours	ON Hour, Run Hour [Available in VAF, 3 Phase 3 line Model Only]	Relative Humidity	30-95% RH non-condensing
Voltage		Isolation (Withstanding voltage)	
Direct Voltage	0 to 550V L-N	Between Field Input [Voltage & Current] terminals and Auxiliary Power Supply terminal	
Measurement Method	True RMS	At least 1500 V AC for 1 minute	
Burden	0.5VA per phase	Insulation resistance: 20MΩ or more at 500 V DC between Field Input [Voltage & Current] terminals and Auxiliary Power Supply terminal	
Wire gauge	16 AWG	Physical	
PT Ratio	1 to 9999 Programmable	Mounting Type	Panel mount
Overload	1.2 x Nominal (Continuous)	Size (in mm)	100 (H) x 100 (W) x 55 (D)
Current		Front Bezel (in mm)	100 (H) x 100 (W)
Secondary Current	1A/ 5A (Factory Selectable)	Panel Cutout (in mm)	92 (H) x 92 (W)
Measurement Method	True RMS	Depth Behind Panel	50 mm
Accuracy	Class 1.0	Material	ABS
Burden	0.25VA per phase [for 5A]	Accessory	2 Panel mount clamps
Wire gauge	16 AWG	Weight	250 gms
CT Ratio	1 to 9999 Programmable	Enclosure Protection Rating	IP20
Overload	1.2 x Nominal (Continuous)		
Frequency	45 to 65Hz		
Display			
0.56" [14mm] height Seven Segment, RED color			
4 digit, Three line display(2330)			
4 digit, Single line display(2310)			
RPM			
Number of poles can be configured depending upon application requirement. Range: 1 to 100 poles [Configurable]			
ON/ Run Hour			
On Hour : Total Hours for unit ON condition			
Run Hour : Total Hours for unit with load condition			
Range: Max. 999999 Hours 59 Minutes			
Resolution: 1 Minute			

ORDERING CODE

Model	Display	Phase	Parameter	CT Input ³
23	XX	X	X	X
10	Single line	1	1-Phase ¹	0
30	Three line	3	3-Phase	1
			F (Freq.) ²	N
			V (Volt)	1
			A (Amp)	5
			VAF	

Note:-

¹ 1-phase Voltage or 1-phase Current are available in Single Line Display Only

² Using the meter to measure only Frequency Parameter is available on 1-phase & Single Line Display Only

³ CT input is applicable while selecting A or VAF as a display
Max.Value available in three line display only