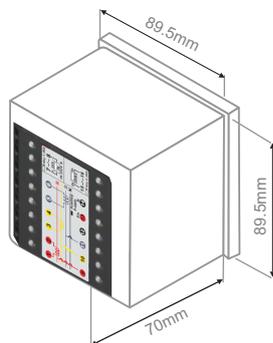




Enersol DG Meter



Enersol DG meter dimensions.

Smart VIF DG Meter has been specially designed to measure and monitor the signal levels of the modern DG sets. The state of the art “ Maxim Microprocessor” based meters not only measure the standard VIF parameters but also alarms for the various other critical parameters.

The Enersol DG series meter is available in one versions to better fit specific applications:

- VAFD19 Series

Unique Features

- 32 Bit Microprocessor based design
- Programmable CT Ratio, UV/OV/OC/UC/O Speed / U Speed /AF
- Password Protected
- Visual Indication for “Over and Under Voltage”
- Visual Indication for “Over Current and Unbalance Current
- Visual Indication for Over and Under Speed
- Programmable “Service Due Hours”
- Visual Indication for Alternator

Application

- Meter warns against the various abnormal conditions
- Under voltage, over voltage
- Under speed, over speed,
- Alternator fail,
- Over current,
- Unbalance current. Also indicated that service for the DG has
- Become due.

Technical Specifications

Family	VAFD19
Rating/phase/Class	1Ph/3Ph ,230V,-/5Amp, 50Hz
Size	96X96X65
Display Type/Lines/Digit	Three Line LED Display
CT Ratios	Password Protected
Auxiliary Supply	230Vac (+/- 20%)
Power Supply	Switch Mode Power Supply
Parameters	Auto
	RYB Voltage, Line Voltage, RYB Current Frequency, RPM, Run Hours, Service hours setting of all set parameters
Class of Accuracy	1.0

Selection guide	VAFD19
General	
Use on LV and HV systems	■
Accuracy of the meter	□
Number of samples per cycle	50 at 50 Hz
Instantaneous rms values	
Current, Total, Per phase & Neutral	■
Voltage, Average, Phase to Neutral & Phase to Phase	■
Frequency,	■
Unbalance, Current, voltage	■
Phase angle, Between V & I, Ph1, Ph2, Ph3	■
RPM, For generator only, speed calculated on generator voltage output and number of machine poles.	■
DG Special Parameter Monitoring	
Meter warns against the various abnormal conditions	■
under voltage, over voltage	■
under speed, over speed,	■
alternator fail,	■
over current,	■
unbalance current. Also indicated that service for the DG has become due.	■
Display	
LED display	■
Communication	
RS-485 port	□
Modbus protocol	□

□ Optional Features — Not Available

Ordering Selection

	VAFD19
Class 1.0 without RS 485	VAFD1910
Class 1.0 with RS 485	VAFDR1910
Class0.5 without RS 485	VAFD1905
Class0.5 with RS 485	VAFDR1905