



Transformer Manufacturer



Motor Manufacturer



Pump Manufacturer



LED lights Manufacturer

3-PHASE PRECISION POWER ANALYZER VPA-60080

- Accurate measurement at Low PF
- Basic Accuracy $\pm 0.1\%$
- Electricity Board Approved

KEY FEATURES

- TRMS Voltage 600V/1200V Phase, 1050V/2100V Line
- TRMS Current 80A / 160A Direct
- 500 Test Data Storage Inbuilt (1000 Optional)
- USB, RS-232 / RS-485 interface & Free Software
- 20 X 4 Jumbo LCD & Ultra Glow Red LED Display
- High Speed Measurement in 0.25 Sec (Optional)
- Torque, RPM, %Slip, Eff. Measurement (Motor Version)
- Flow, Head, RPM, %Slip Measurement (Pump Version)
- Auto Over Voltage Shutdown Facility (Optional)
- Inbuilt Surge Protection in Selective Models
- Double Fuse Protection
- Portable in Size
- 2 in 1 Rack Mountable & Table Top Model
- User Friendly Operation with embossed Key Pad
- Tamper Proof Calibration & Long term stability
- NABL certified in EQDC & ERDA

APPLICATION

- To Perform No Load, Load Test of 1-Ph & 3-Ph Distribution, Power, Control, Isolation & other Transformers.
- To Perform No Load, Load, Block Rotor & Efficiency Test of Motors & Pumps.
- To Test LED Light, Stabilizer, Air conditioner, Fan, Heater, Ballast, Cooler etc. domestic appliances.
- To calibrate Voltmeter, Amp meter, Watt meter, PF meter, Power source etc.
- Educational Institutes, Degree / Diploma / ITI colleges in Electrical & Electronics Department.
- To monitor power condition at renewable energy generation, Mega Mall, Mobile Base station etc.

INTRODUCTION

VEER Power Analyzer VPA-60080 is result of continuous R & D activities. It is an accurate Instrument to test 3 Phase & 1 Phase electrical Machines due to high sampling rate & simultaneous measurement of parameters. It has no adjustable components inside so, accuracy remains long time. We provide Free Software "VEER POWER ANALYZER TOOL" with VPA-60080 to communicate with computer which is capable to collect all parameters from VPA-60080 & generates test report. You can see parameters in different view like Digital, Analog, Graphical etc in real time. You can record test data in real time to eliminates Human error in Testing.

SCOPE OF MEASUREMENT

- TRMS, Mean, Rectified and Peak, Crest Factor, Form Factor of Voltage and Current.
- Active Power(P), Apparent Power(S) and Reactive Power (Q), Power Factor, Frequency accurately.
- Torque, RPM, %Slip, Output Power, Direct Efficiency of Motor (Motor Version)
- Flow, Pressure, Suction, %Slip, RPM of Pump (Pump Version).

GENERAL SPECIFICATION

Warm up time	30 minutes	
Operating Temperature	5 °C to 50 °C	
Operating Humidity	20% to 80% RH (no condensation)	
Storage Temperature	0 °C to 55 °C	
Power supply	160V - 290V @ 50Hz Or 100V - 140V @ 60 Hz	
Power consumption	30VA Max.	
Dimension (W x D x H)	376 x 320 x 145 mm**	
Panel Cut Out Size	332 x 133 mm without Feet**	
Weight	5.5 kg approx.**	
Input terminal type	Voltage :Banana socket (wire fit type)	Current : large binding Post (1/4" or 6/16" copper stud with insulated nut)

MEASUREMENT FUNCTION

Parameter	Voltage / Current / Active power	
Accuracy (within 1 year after Calibration*) Conditions: - Temperature : 25 °C± 5 °C Humidity : 30 - 75% RH Input : Sine wave Power factor : 1.0 Display digits : 5 / 6 digits Sample Avg : 8 Sample *Normal test & input condition	Frequency Range	Accuracy
	30 Hz to 44 Hz	±(0.2% of reading + 0.2% of range)
	45 Hz to 65 Hz	±(0.1% of reading + 0.1% of range)
	66 Hz to 800 Hz	±(0.2% of reading + 0.2% of range)
Additional PF effect on Active Power measurement	At 50Hz 0.035 * or Time delay errors 2.5 µS	
Effective Input range	10-100% of Voltage, 1-100% current range rating	
Display updating value	0.25 to 10 seconds in selected models	
Frequency Measurement	For Input >= 3% of V1 from 30 to 800Hz Accuracy ± 0.05% Frequency between V1 Input & Neutral Terminal	

VARIOUS AVAILABLE OPTIONS

- High Speed Measurement up to 250 ms Update rate
- Voltage Range 150V / 300V / 600V / 1200V / 1400V
- Current Range 1A / 8A / 20A / 40A / 80A / 160A / 300A
- CT & PT Ratio Setting
- Flow, Pressure, RPM, Torque, Efficiency for Motor & Pump

SPECIFICATION FOR EXTRA CHANNELS

Parameters	Measuring Range	Accuracy / Remark
Flow, Pressure	4 - 20 mA	± 0.20 % on FSD
Torque, RPM	Depends on Sensor	± 0.20 % on FSD

- NOTE- 1.** Above all Specifications are subject to change without prior notice, Please confirm at the time of placing an order.
2. **Size and Weight may be change without prior notice.
3. Standard Warranty is for 1 year. Extended up to 5 years optional.

FEW OTHER PRODUCTS AT A GLANCE



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