



**Pump Testing Panel
(With Computer)**



**Pump Testing Panel
(Without Computer)**



Flow Meter



Slip Coil



**Pressure
Transducer**



Variac

PUMP TESTING PANEL-VPTP

(BIS Compliance 8034, 14220,9079,6595,7538,12225)

KEY FEATURES

- It covers No Load Test, Block Rotor Test, Pump Performance Test, Reduced Voltage Test for Submersible Pump, Monoblock Pump & Centrifugal Pump etc.
- Direct measurement of Voltage, Current, Active Power, Power Factor (PF), Apparent Power, Frequency, Head, Suction, Discharge, RPM, Corrected RPM, %Slip
- Compliance to BIS 8034, 14220, 9079, 6595, 12225, 7538 (As Requested)
- Provision of Change over Switches & Push buttons for easy operation
- Emergency Stop push button
- Push buttons to Increase & Decrease Output Voltage of Variac
- USB , RS-232 / RS-485 interface & Free Software
- 500 Test Data Storage Inbuilt in Power Analyzer
- Current Rating 30A/ 50A/ 75A/ 100A/ 150A/200A/ 300A (Other on Request)
- Basic $\pm 0.1\%$ accurate Power Analyzer

Application

- Useful for Pump Manufacturers, Pump Repairing Shop
- Useful in Research Lab, Testing Lab, Electrical Machines Lab in Engineering Colleges etc.

Preference View Individual Meters Motor Test Pump Test Setting Help Exit

Sr No.: 0000 Model:- VPA-60080 POLE: 2 CT: 1 PT: 1

V1 410.9117	V2 410.955	V3 410.9373	V 410.9346	I1 2.4237	I2 2.42401	I3 2.42396	I 2.42389	P1 449.5
P2 449.48	P3 449.58	P 1348.56	PF1 0.7817	PF2 0.7816	PF3 0.7817	PF 0.7816	S1 574.99	S2 575.13
S3 575.09	S 1725.21	Freq 49.92	Efficiency 0	Hd(MWC) 0	LPM 42.4	Su Hd(MWC) 12.715	RPM 2946	%S 1.6
CRPM 2951								

1.No Load
 2.Reduced Voltage
 3.Locked Rotor
 4.Temp Rise Rated
 5.Temp Rise Reduced
 6.Performance

Hold Lock Clear Clear All No of Record: 1 Add ShowUserMeter

Run/MWC	% Hd(MWC)	LPM	V	I1	I2	I3	I	P	PF	%S	RPM
0	12.716	40.9	409.3748	2.39234	2.39265	2.39244	2.39247	1331.4	49.91	3.68	21
0	12.715	41.5	409.8415	2.40169	2.40196	2.40173	2.4018	1327.83	49.92	3.68	21
0	12.716	41.7	410.1372	2.40885	2.40871	2.40882	2.40872	1328.79	49.92	2.92	21
0	12.716	41.9	410.1087	2.40848	2.40883	2.40861	2.40854	1340.01	49.91	3.68	21
0	12.716	42.1	409.8084	2.40426	2.40435	2.40441	2.40444	1341.66	49.91	3.44	21
0	12.716	42.2	410.0865	2.41021	2.41051	2.41032	2.41034	1342.29	49.91	3.56	21
0	12.715	42.5	410.5673	2.41915	2.41955	2.4194	2.41938	1345.73	49.91	3.96	21
0	12.715	42.3	410.9411	2.42492	2.42511	2.42505	2.42502	1349.8	49.91	3.32	21
0	12.716	42.4	410.729	2.42082	2.42111	2.42097	2.42096	1349.26	49.91	3.96	21
0	12.715	42.4	410.6909	2.41822	2.41839	2.41836	2.41832	1346.49	49.91	1.6	21

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TEST REPORT

Pump Performance Test Report

Name Plate Data

Date	30 October 2013
Order No.	
Model / Type	gpl
Diagn	0
Case Size (mm)	100
Delivery Size (mm)	50
Head (m)	63.27
Flow (l/s)	1.33
Overall Eff. %	27.1
Case Distance (m)	1.25

Observed Parameters

St	Group	Discharge (l/s)	Head (m)	Current (amp)	Input Watt	Frequency (Hz)	Obs. Eff. %	Obs. Speed (RPM)	
1	148	3.30	426.00	411.00	10.880	10.510	49.90	1.54	2942
1	148	40.20	336.80	410.00	9.180	10.620	49.81	3.33	2889
1	148	80.50	274.70	410.00	11.180	10.780	49.54	3.27	2886
1	148	98.90	250.50	409.00	11.240	10.870	49.38	3.27	2889
1	148	99.70	242.00	410.00	11.110	10.790	49.93	3.40	2954
1	148	80.20	187.80	411.00	10.540	10.230	49.00	3.10	2907
1	148	51.00	0.00	415.00	7.480	0.000	3000.0	2.90	2913
1	148	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0
1	148	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0
1	148	0.00	0.00	0.00	0.000	0.000	0.00	0.00	0

Corrected Parameters

St	Group	Discharge (l/s)	Head (m)	Current (amp)	Input Watt	Power Factor (PF)	Head (m)	Disc. (l/s)	Input (W)	Eff. %	Overall Eff. %
1	0.00	3.30	426.00	411.00	10.880	0.999	426.00	0.00	10.880	49.90	27.06
1	0.00	40.20	336.80	410.00	9.180	0.999	336.80	0.00	9.180	49.81	27.06
1	0.00	80.50	274.70	410.00	11.180	0.999	274.70	0.00	11.180	49.54	27.06
1	0.00	98.90	250.50	409.00	11.240	0.999	250.50	0.00	11.240	49.38	27.06
1	0.00	99.70	242.00	410.00	11.110	0.999	242.00	0.00	11.110	49.93	27.06
1	0.00	80.20	187.80	411.00	10.540	0.999	187.80	0.00	10.540	49.00	27.06
1	0.00	51.00	0.00	415.00	7.480	0.999	51.00	0.00	7.480	3000.0	27.06
1	0.00	0.00	0.00	0.00	0.000	0.999	0.00	0.00	0.000	0.00	27.06
1	0.00	0.00	0.00	0.00	0.000	0.999	0.00	0.00	0.000	0.00	27.06
1	0.00	1.50	0.00	0.000	0.000	0.999	1.50	0.00	0.000	0.00	27.06
1	0.00	1.50	0.00	0.000	0.000	0.999	1.50	0.00	0.000	0.00	27.06

Discharge vs. Total Head

Discharge vs. Current

Discharge vs. Overall Efficiency

Observed Head (m) 66.39
Observed Discharge (lps) 1.00
Which confirms requirement of Duty Point
Max. Current 10.59
Min. Current 9.96
Observed Current 9.95
Which confirms requirement of Rated Current
Overall Efficiency (%) 29.06

FEW OTHER PRODUCTS AT A GLANCE



Digital Epstein Tester
VET-1608A



Digital Iron Loss Tester
VDW-2065



Core Loss Tester
VCL



HV Tester
VHT



3-Phase Power Analyzer
VPA-60080

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LET'S SAVE ENERGY

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