

VALVE-SYNC

UNIVERSAL VALVE TESTER CONTROL SYSTEM

VALVE-SYNC by Process Solutions Corp. is a highly configurable universal valve tester control system. It addresses the needs of companies looking for flexible software that can be configured to test different types of valves easily. VALVE-SYNC test software, which is built upon API standards, will allow:

- ▶ A high degree of customization and flexibility in designing test systems
- ▶ Testing of various setups before finalizing on the most appropriate one for your testing needs
- ▶ Viewing the test system as a graphical parametric display with a collection of various controls and indicators
- ▶ Reduction in the lead time to build a test rig, thus reducing overall cost
- ▶ Customized Report Generation

The Universal Valve Test Suite can be modified to best suit your requirements and the pre-built valve testing software platform enables us to deliver a highly flexible, customized solution faster than ever.

Benefits of VALVE-SYNC

- ▶ Configure your software with minimal effort
- ▶ Flexibility in Test Recipe Configuration
- ▶ Record and print your test results in Excel or any PC format
- ▶ Multi-language support
- ▶ Report Customization and Analysis Capabilities
- ▶ Valve traceability
- ▶ Various size of PLC/HMI available in different enclosures
- ▶ Track pressure sensor calibration
- ▶ Auto population of pressure/test time based on valve size and class
- ▶ Wireless data transmission to any PC

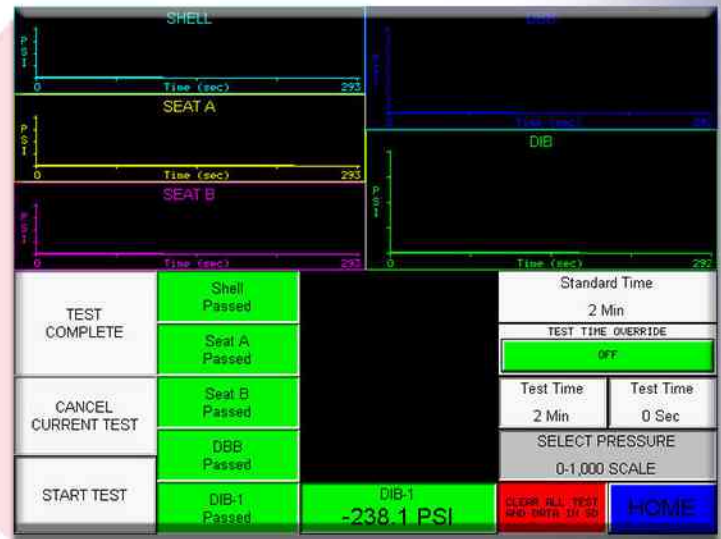
TEST DATA							
TEST	MIN GAGE	MIN TIME	ACTUAL GAGE	ACTUAL TIME	GAUGE SERIAL#		CALIBRATION DUE DATE
ANTI-STATIC 5% OF LOT	10max	N/A					
SHELL	450	2 Min	0.0 PSI	0 Min	FV1	FV2	05/20/15
SEAT A	325	2 Min	0.0 PSI	0 Min	FV1		06/23/15
SEAT B	325	2 Min	0.0 PSI	0 Min	FV2		07/22/15
DBB	325	2 Min	0.0 PSI	0 Min	FV1	FV2	09/12/2016
DIB-1	325	2 Min	0.0 PSI	0 Min	FV2		

HOME

Clear Test Data

The Test Data screen shows the standard test pressures and time duration for SHELL, SEAT A, SEAT B, DBB and DIB-1 tests. The recorded actual test pressures and duration times are given as well. Also on this screen, the user will find the gauge serial numbers along with the pressure transducer calibration due dates.

The results for the typical tests are shown here on the Test screen. This is where the user will perform the actual tests. Once a test is passed, the program will indicate this along with the real time trend during the test. The program will always default to the standard required pressure and test time. However, test duration time can be changed if desired. Testing can be cancelled in progress at anytime.



INSTRUMENT CALIBRATION DATA			
TOP 1000 PSI	BOTTOM 1000 PSI	TOP 3000 PSI	BOTTOM 3000 PSI
Approval Date	Approval Date	Approval Date	Approval Date
05/20/15	06/23/15	07/22/15	09/12/2016
Gage Approval Serial Number	Gage Approval Serial Number	Gage Approval Serial Number	Gage Approval Serial Number
FV1	FV2	FV1	FV2

HOME

Calibration due dates along with their respective gauge serial numbers can be located here at the Gauge Maintenance screen.

NAME PLATE MARKING			
CLASS	150	SIZE	4
MODEL NO.	D711	F TO F	39
BODY	A216WCB	MOP/F1	1480/20F
MFG DATE:	05/12/15	MOP/F2:	1332/350F
SERIAL #	54321	SEAT	VITON

RESET DATA

SELECT API OR PED/CE
API

In the Name Plate Marking screen the user can choose the size and the class of the valve to be tested. The model number will automatically populate based on this information. The user can also enter information for the valve such as Body, Manufacturing Date, Valve Serial Number, F to F Number, MOP/F1, MOP/F2 and Seat Material.

The Valve Data interface shows additional information about the valve that is being tested. These items include descriptions, serial numbers, etc. All of this information can be entered here and will be recorded in the valve test final report.

VALVE DATA SHEET			
Customer/Valve Information		Traceability Information	
CUSTOMER:	PSC	SERIAL #	11111
REF./PO #	34327	BODY HEAT #	uyre
SO #	652	PLUG HEAT#	DSRRY
PROD #	654	BONNET HEAT#	53446
ITEM DESC.	10	150	PLATE HEAT #
OPERATOR TYPE	FSJH	GLAND HEAT#	544

RESET DATA

RESET DATA

PROCESS SOLUTIONS CORPORATION
4134 Bluebonnet Drive Suite 111
Stafford, Texas 77477
281-491-3833

LOG IN	LOG OUT	Date 06/03/2015	Time 11:00:32	
INPUT CUSTOMER VALVE TRACEABILITY	INPUT CLASS SIZE AND MODEL	PART COUNTER		
		0		
		COUNTER RESET		
START TEST AND TRENDRING SCREEN	TEST RESULT	GAGE MAINTENANCE		

Navigation to all interfaces starts here at the main screen. All authorized personel are required to enter the password at log in to access instrument calibration data screen or to reset part counter.



Process Solutions
Automation & Control

ISO 9001:2008 Certified

▶ Powering Productivity

Houston (Main) Office
4134 Bluebonnet Drive, Suite 111
Stafford, Texas 77477
281-491-3833 Phone
281-754-4792 Fax

Dallas Office
4751 Glenn Curtiss Drive
Addison, Texas 75001
214-802-1860 Phone

Louisiana Office
1211 N. Range Ave. Suite B
Denham Springs, LA 70726
225-394-5348 Phone

visit us at www.psctexas.com

info@psctexas.com - General Questions
sales@psctexas.com - Sales Questions