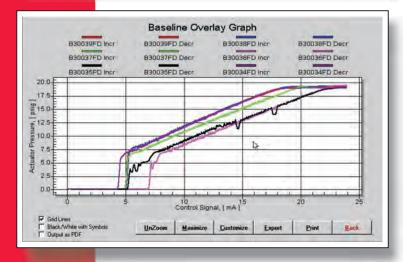


	BenchMark Overall	Valve Performance		Test Parameter	Result	Units	Stat
Person	Ing Dignal Decrease	ing Signal 71	kden	Measured Total Travel	0.775	in	PAS
				Signal, Min Travel	3.80	mA	FA
	14mm	17-		Signal, Max Travel	20.92	mA	
_		1.44	70	Signal Nom Travel	19.68	mA	PAS
_	Wanter	1 prises and a start of the sta	-70	HDL Error, Average	2.49	% ts	PAS
			1	HDL Error, Max	6.14	% Is	-
_		/		Linearity Error	1.42	% ts	PAS
_	1	/		Friction, Average	71	lbt	
		and a local division of the	1	Friction, Max	83	libit	-
-				1			-
_				Contraction (1997)			-
			- in	And and a second se			
_	1			Spring Rate	139.9	ibl/in	FA
-	1 1 1 1 1 1 1 1	1111111	1 1 1 1 m	Seatload Act & Spring	2529.7	lbt/in	
-	5 10	one (ma) 20	2	Seatload Spring Only	9.2	Ibl/in	
-		erformance		Signal Pressure, Min Travel	2.9	psig	FAI
_				Signal Pressure, Max Travel	15.7	psig	
gilling.	TopDac Br	IN BIRDer	FREND	Signal Pressure, Nom Travel	14.8	psig	PAS
-				Pos HDL Error, Average	2.04	7% fs	PAS
	Mar.			Pos HDL Error, Max	2.62	% fs	
7	- Contraction of the second se	1.000 1		Pos Linearity Error	1.24	% fs	PAS
-	- Hante	min march	70	Pos Balance Pressure		psig	1
-	-			VP Output, Min Signal	2.9	psig	PAS
		1	-00	VP Output, Max Signal	15.0	psig	PAS
	VI -			VP HDL Error, Average	2.04	76 Is	FAI
_		- TI	106	VP HDL Error, Maximum	1.61	% fs	
-				VP Linearity Error	0.49	% fs	PAS
-		1		Nominal Air Supply	4177	psig	10.19
		7	1 1 1	Air Supply Decrease		% nom	-
				•			
			1 1				



From Your Desktop!

- Data Review / Trending
- Graphical Overlay
- Manage Digital Valve Tags
- Digital / Printed Reports
- Record Entry / Edit
- Data Export / Transfer
- Performance Standards

Data MGR v6

Place the data management tools of the world's most advanced control valve diagnostics system on your desktop.

BenchMark Control Valve Diagnostics clearly demonstrates first-class in-line and shop valve testing isn't difficult or time consuming.

BenchMark Data MGR takes the same practical "no nonsense" approach to the review, trending, overlay and engineering evaluation of resulting diagnostics test data.

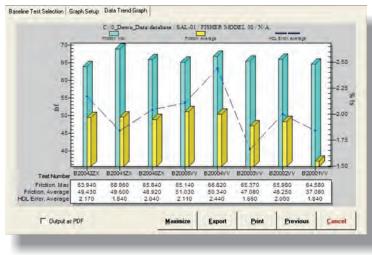
Data Trending and **Graphical Overlay** tools provide practical and powerful access to the test results, whether acquired in-house, provided by a repair vendor, an OEM valve manufacturer or converted from existing in-house diagnostic test data. Data trending helps the operator evaluate the variation of several engineering parameters as a function of test number or date/time.

Valve Identification, Configuration, Application records as well as "valve specific" performance standards can be developed, entered prior to testing and then easily transferred to the appropriate portable **BenchMark** test systems for the actual valve testing. Data from multiple test systems can be collected and managed from a single computer, if you desire.

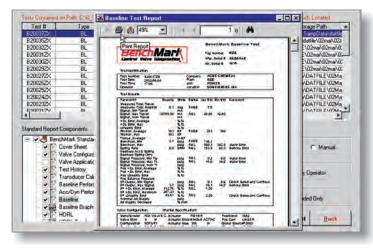
Individual tests can be recalled, reviewed, printed and exported with all the same utility of the **BenchMark** application installed on the portable test systems.

Turning Your Test Data into Information





Trend Multiple Engineering Parameters



Prepare Digital or Hard-copy Reports



Manage Digital Valve Tags

For more information:

info@blkdmdeng.com www.blkdmdeng.com

Black Diamond Engineering reserves the right to change or modify specifications without notice.



Data MGR v6

Key Functions

Trend Test Results Overlay Test Graphs Enter / Edit Valve Records Recall Test Results Manage Digital Valve Tags Digital / Printed Reports Export Test Results Manage Performance Standards

This affordable software tool complements your application of **BenchMark** Control Valve Diagnostics and is not required for basic system operation.

Includes all record management, reporting and valve tag management functions of **BenchMark** and adds the additional engineering analysis tools: Graphical Overlay and Engineering Parameter Trending.

Excellent supervisory workstation software tool. Allows test systems to remain focused on valve testing.

Data MGR v6 can be installed on PC computer with a Windows operating system (see below). Familiar and intuitive functions increase operator efficiency and minimize re-training.

System Requirements

PC with Windows O/S Windows XPtm, Windows 7tm (32 or 64 bit) Approx. 20 MB disk space required USB 2.0 Port for Digital Tag Functions Adobe Acrobattm for PDF Outputs



14884 So.Heritagecrest Way Suite B Bluffdale, Utah USA 84065 (801) 256 - 0202 phone (801) 256 - 0217 fax

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