

ValveLink™ Software Signature Series Performance Testing

ValveLink Software Signature Series factory-executed performance testing is available for any Fisher® control valve assembly that includes a FIELDVUE™ digital valve controller.

Signature Series performance testing creates a benchmark of an assembled valve's performance just prior to shipment. This benchmark provides a starting point for future data comparison, enabling you to track the operating condition of your control valve and maximize valve performance.

When ordered with your FIELDVUE equipped control valve, our factory uses the diagnostic capability of ValveLink software to thoroughly test each valve assembly.



W9363-3

Test Levels

Three levels of Signature Series tests are available, with each level providing valuable diagnostic data. When you order a Signature Series test, you will receive the test results electronically from your Emerson Process Management sales office.

Signature Series 1

Within the Signature Series 1 test level, you receive:

- Instrument Configuration
- Status Monitor (@50% travel)
- Valve Spec Sheet
- Valve Signature, as recorded from -5 to 105% input.
- Dynamic Error Band Curve, as recorded from -5 to 105% input
- Drive Signal, as recorded from -5 to 105% input

Signature Series 2

In addition to Signature Series 1 information, you receive:

- Performance Step Test
- Status Monitor (0, 25, 50, 75, 100% travel)

Signature Series 3

Series 3 testing provides user specified Series 1 and 2 tests and allows customization of end points or scan times. This capability lets you tailor the testing to your specific requirements or process needs.

Signature Series 3 with Dead Band plus Hysteresis

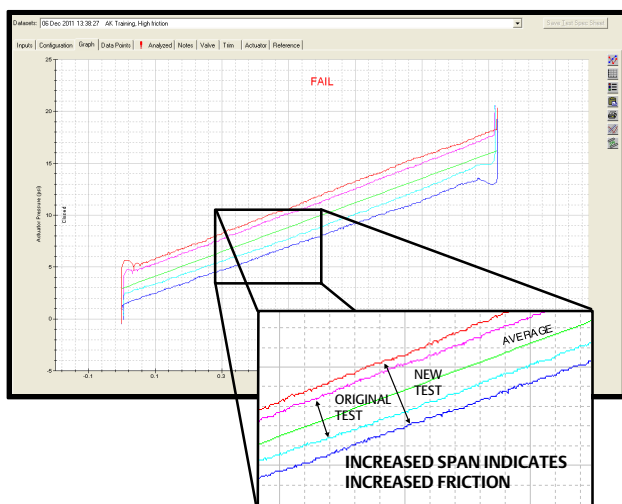
Provides user specifications from Series 1, 2, 3, and Dead Band plus Hysteresis estimation per dead band specifications. Refer to Bulletin 62.1:ValveLink Software(S3) (D103549X012), available from your Emerson Process Management sales office, for details.



Data Comparison

If your control valve is equipped with a FIELDVUE instrument that includes diagnostic capability, after the valve has been in service you can use ValveLink Software to run the same tests that were originally run at the factory. Then, by importing the Signature Series data into ValveLink Software, you can compare the as-shipped performance with the valve's current operating condition. The current data can be compared to the baseline data to quickly pinpoint issues, as shown in figure 1.

Figure 1. Data Comparison



Signature Series Availability

Signature Series testing is available for all Fisher control valves when specified as part of the original valve order. To order Signature Series testing, simply specify your Signature Series testing requirements on your Fisher control valve orders. Signature Series tests are only available when specified as part of the original valve order.

Neither Emerson, Emerson Process Management, nor any of their affiliated entities assumes responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use, and maintenance of any product remains solely with the purchaser and end user.

Fisher, ValveLink, and FIELDVUE are marks owned by one of the companies in the Emerson Process Management business unit of Emerson Electric Co. Emerson Process Management, Emerson, and the Emerson logo are trademarks and service marks of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson Process Management
Marshalltown, Iowa 50158 USA
Sorocaba, 18087 Brazil
Chatham, Kent ME4 4QZ UK
Dubai, United Arab Emirates
Singapore 128461 Singapore

www.Fisher.com

Take Advantage of the Signature Series

You can begin to take advantage of the Signature Series by contacting your Emerson Process Management sales office. Remember to specify your Signature Series testing requirements when placing your order. Emerson Process Management can provide you with the diagnostic data you need to keep your valves operating at top performance!

Figure 2. Performing a Diagnostic Test with ValveLink Software Provides an Analysis of Control Valve Operating Parameters

