

METHOD AND SYSTEM FOR ASSESSING AND DIAGNOSING CONTROL LOOP PERFORMANCE

Abstract

The invention is a system for assessing and diagnosing performance of a control loop, comprising a Data Collection Section which collects data of two parameters of the control loop for an installed valve. The data collected is processed in a Linear Regression Section to generate a linear regression. A User Setting Port is provided to define the tolerance band and the boundary points. The generated linear regression, together with the defined tolerance band and boundary points are processed in a Linear Approximation Section to generate an acceptable reference region.

Figure 3