

Hydraulic Cylinder Analysis Software

ST810 HCA

The ST810 Hydraulic Cylinder Analysis software is a specialized, user-friendly Windows application designed to interface hydraulic cylinder feedback with a motion control card to aid in the setup and diagnostics of the cylinder.

The complete data acquisition package enables accurate evaluation of cylinder performance over a wide range of speeds and test conditions, all controlled by the software. It enables the user to quickly and reliably determine performance specifications while viewing data real-time.

KEY FEATURES

- ◆ Simple use and flexibility
- ◆ Record and view live measurements
- ◆ Cut & paste data into Windows applications
- ◆ Save and review historical data
- ◆ Scaleable time settings
- ◆ Analyze frequency patterns of cylinder

BENEFITS

- ◆ Enable in-house data collection
- ◆ Eliminate unreliable recording of dial indicators
- ◆ Obtain accurate real-time data
- ◆ Facilitate ISO certification

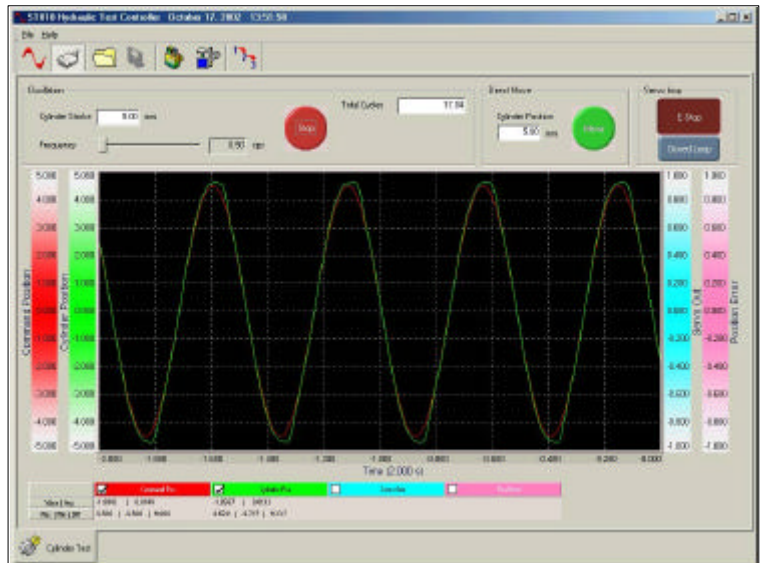


Figure 1: Real time graphics of cylinder stroke and frequency enable the technician to closely monitor performance to ensure proper mechanical and electrical characteristics have been achieved



Figure 2: Graph setup screen allows variable filtering to be enabled to achieve proper performance

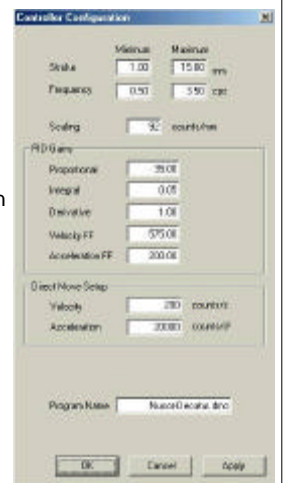


Figure 3: Controller configuration screen gives the technician the ability to customize response variables

