

Using the Model 1100 in a Spring Tester

July, 1996

Application Note #24

Application:

Spring Tester

Type:

Motion Control

Objectives:

- An operator interface for set up of testing parameters.
- Set spring height, first test point, second test point.
- Print out report of test results

Product Used:

Model 1100

Solution:

The Model 1100 is interfaced with a Toledo scale force transducer via RS-232, and a CMC servo motor. The operator loads the spring, jogs to the start point, inputs the first load test point, and then the second load test point. The operator pushes the start test input button. The Model 1100 collects data from the load cell and linear encoder. At the end of the test, the 1100 prints a report to ship with the spring. Finally the 1100 uploads the test data to a host computer.

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