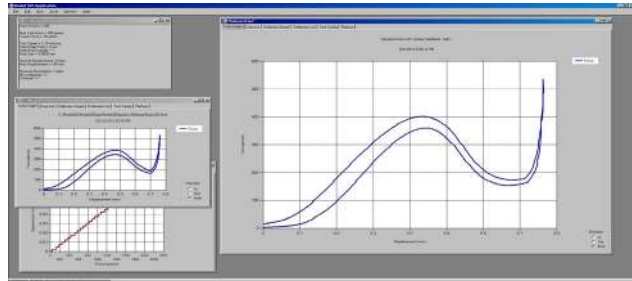


Model 925 Force-Distance Tester



Accurate, fast, repeatable testing of distance and force parameters

PC-Windows based

Provides in-depth test data to fulfill customer requirements

Up to 5,000 data points per test

Displays test data in tabular or graphic formats

Versatile test head can be mounted to meet user's needs

Typically reduces test times by 50% or more

Eliminates deflection errors through automatic deflection compensation

The Model 925 is a low cost force-distance tester. It communicates with a Windows™-based PC to send data into an Excel format. The data can then be viewed and analyzed in tabular or graphical format. Once in the Excel format, the data can be transferred or used in any of the multiple Excel operations. This line of displacement-force test stations has a positional resolution of 0.0025 mm (0.0001 inches). Your test department will appreciate the high accuracy readings provided over the complete travel range.

Interchangeable force sensors with ranges up to 9 kg (20 lb.) are available. The Model 925 also permits the user to change the probe tip. The test station performs a calibration on the complete test fixture. This calibration removes the deflection and compression effects that can reduce reading accuracy. The calibration is performed over the range of forces specified for the specifically configured setup.

The Model 925 is invaluable as a test tool for qualifying first article product, audit testing, engineering investigation and life study tests.

The 925 is provided with a user-friendly application software that runs on Microsoft Windows™ -based PCs. The output data is all in Microsoft Excel™ format files that can be opened by other applications supporting this format and allows easy import of data for statistical process control (SPC).

Specifications and Features

Power Requirements - 115/220 V ac, 50/60 Hz, 230 VA

Test Speed - *Programmable*

Measurement Units - Metric or English - *user selectable*

Displacement*

Range: 0 to 62.51 mm (0 to 2.46 inches) *programmable*

Resolution: (0.0001 inch) *programmable*

Abs Accuracy: max ± 0.001

Repeatability: max ± 0.001

Force*

Range: 0 to 3.60 kg (0 to 127 oz);

other available ranges include

0-75.0 g (0-2.65 oz), 0-360 g

(0-12.7 oz), 0-2.00 kg (0-70.6 oz), and 0-9.00kg 0-20.0 lbs)

Resolution: 1 g (0.035 oz)

Abs Accuracy: $\pm 0.5\%$ of full scale max

Repeatability: $\pm 0.25\%$ of full scale max

System Components

Test Head (Control Unit)

22.9H x 10.6W x 10.6D cm

(9H x 4W x 4D inches)

3.6 kg (7 lb)

Table - 12" x 12"

Software (Only)

Model 925 Force-Displacement for Windows™ control and analysis software package requires an IBM-compatible PC running Windows™

XP or later.

USB Interface