

# TAYLOR ELECTRONIC DESIGNS

## MODEL 8310 SPRING TEST SET/SYSTEM

For Testing Flat Springs (Used in Potentiometers etc.) and Dome Switches

### DESCRIPTION:

The Taylor model 8310 was developed to test flat springs used in the manufacture of potentiometers and other devices (dome switches etc.). This test set/system is accurate, fast and user friendly.

### The Taylor Model 8310 Is Available In Two Versions:

#### **Model 8310: Manual Test Set.**

Manual version with digital force reading only (without computer interface).  
Designed To Measure Force Required To Deflect Spring (Flat Type) To A Predetermined Dimension.

OPTIONS:        Micrometer For Displacement Limit.  
                      RS232 For downloading force readings only.

#### **Model 8310SA: Semi-Automatic Computer Based Test System.**

The test sequence and parameters is controlled by the Personal Computer (not included) with the Software provided. The measurement test data can be transferred to any popular spreadsheet, math program or charting program with graphing capabilities (Macro for spreadsheet provided).



**8310 Basic Manual Unit (Shown):  
\$3440.00 CDN  
Excluding Taxes, Duty and Shipping.  
Adapter(s) Extra**

### FEATURES:

Excellent For Lab, QC And Production Use  
Fast Test Set-Up And User Friendly

Adapters Available For Most Springs  
Compact, Low Power

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MODEL 8310 SPRING TEST SET/SYSTEM**

**SPECIFICATIONS:**

**Spring Test Stand Specifications:**

Weight: 8310: 7kg/15.4Lbs 8310AS: 10kg/22Lbs  
Dimensions: 8310: 14.5" X 5.5" X 4" (37cm X 14cm X 10cm)  
8310AS: 14.5" X 8" X 7" (37cm X 20cm X 18cm)  
Transport (For Force Gauge): Dual Precision Ball Bearing Linear Slides.

**Force Measurement Specifications:**

Display: 5 Digits 10mm/0.4" LCD  
Measure Capacity: 5000g/176oz.  
Resolution: 1g/0.05oz.  
Accuracy: +/- (0.2% +1 Digit)  
Unit Select: g. OR oz.  
Overload Capacity: Maximum 2x Full Scale  
Power Requirements: AC Wall Adapter Supplied.  
Transducer: Load Cell  
Operating Temperature: 0 C To 50 C  
Operating Humidity: Less Than 80% RH.

Note: Other Capacity and Accuracy Versions Available.

**Model 8310AS Only:**

**Linear Displacement:** (stepper motor controlled by computer)

Travel : 2.54cm/1"  
Accuracy: +/- 0.0127mm/0.0005"

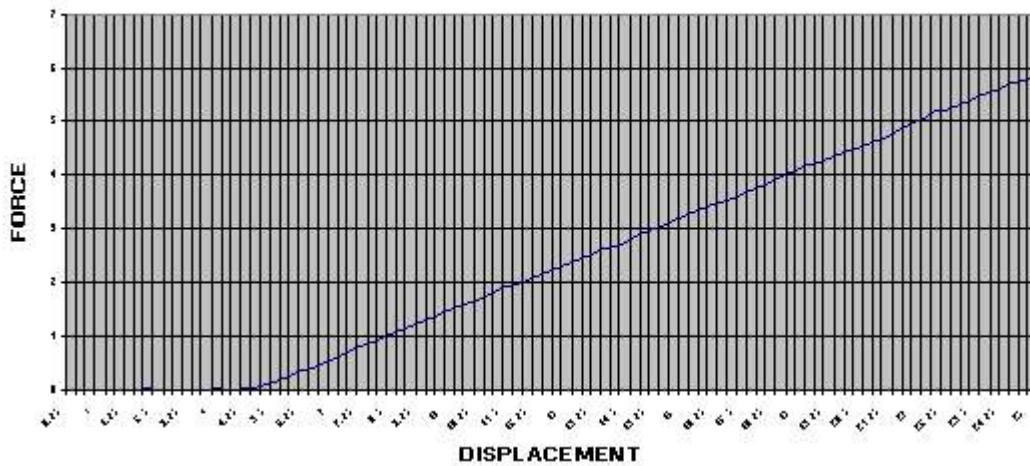
Note: Other Travel and Accuracy Versions Available.

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**Software (Model: 8310SA only):**

Test and Measurement software provided. Graphing software (spreadsheet, math program or charting program) is supplied by customer. Macros for graphs, test sheets and data tables provided by Taylor.

**SPRING PLOT**



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**Specifications And Price Subject To Change Without Notice.**  
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