

Stiffness Tester 150-E

TABER[®]
INDUSTRIES
ISO 9001 REGISTERED

Flexibility and Resiliency Testing

Precision instrument evaluates material stiffness.

The Taber Stiffness Tester utilizes a two directional pendulum-type weighing system to evaluate material stiffness, flexural strength, resiliency and elasticity properties. Force is applied to the lower end of the specimen by a pair of rollers attached to the driving disc. The resulting torque tilts the pendulum from its vertical position and a Taber Stiffness Unit reading ($g \cdot cm$) is taken automatically when the pendulum mark aligns with the appropriate driving disc mark ($7\frac{1}{2}^\circ$ or 15°). Predetermined sample length, deflection angle and rate of loading provide accurate and reproducible test results.

Onboard computer automates testing.

A high resolution optical encoder and a non-contacting photo sensor are incorporated to make this instrument fully automatic. The onboard computer calculates and records testing data (average; standard deviation; high/low; time; date; and a user-defined label), and converts stiffness readings to the appropriate user selected stiffness range. Test results are displayed on a 4 x 20 character display screen, and can be printed, stored or downloaded to a PC.

Test a wide range of products.

Nine distinct setups permit the testing of very delicate to extremely rigid materials. Taber Stiffness Testers will evaluate paper, foil, light metallic sheet, laminated plastic, cardboard, wire, and other flexible materials up to 5.5mm (0.219 inches) thick that do not exceed 10,000 Taber Stiffness Units.



Stiffness Tester 150-E

Flexibility and Resiliency Testing

Standard Features:

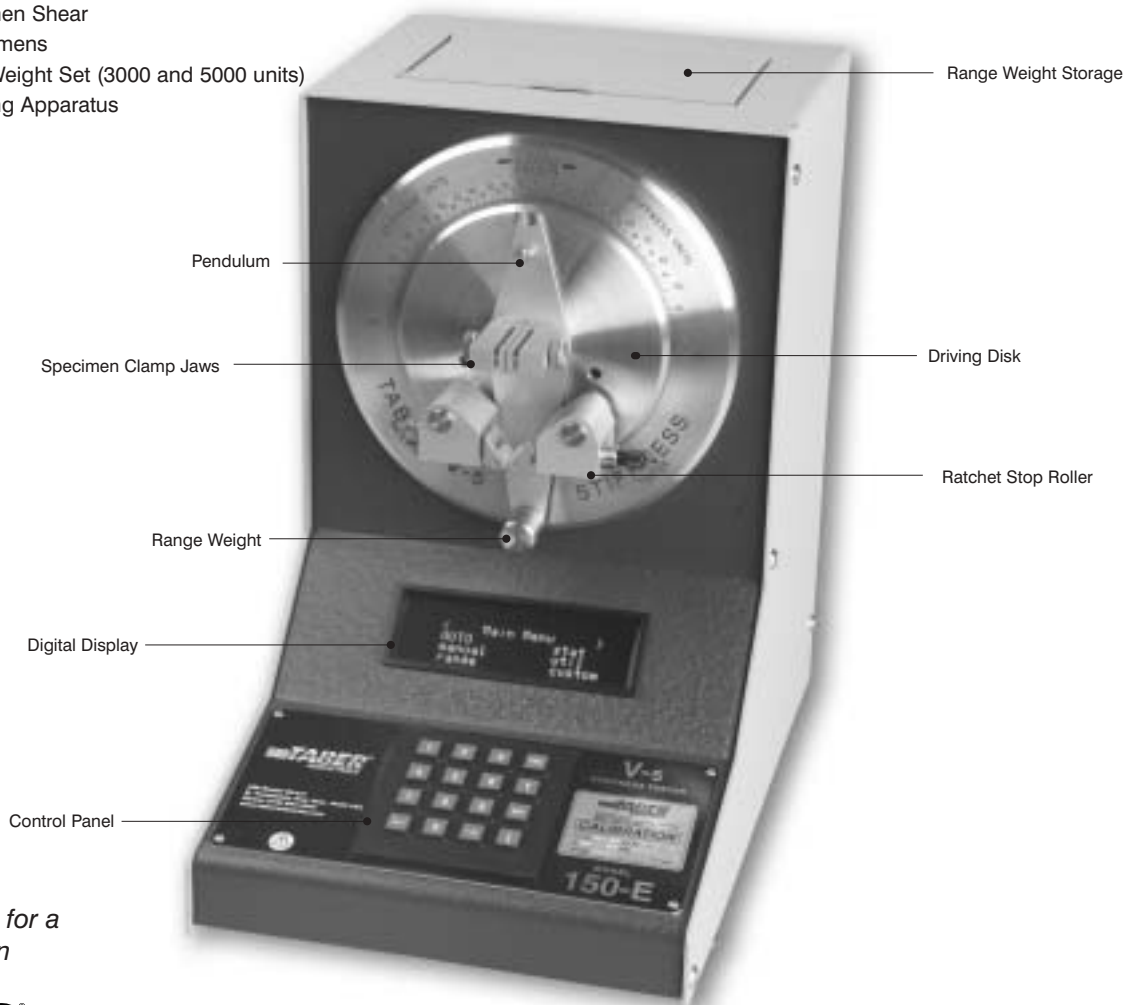
Factory calibrated to accuracy of $\pm 1\%$ full scale
Ratchet stop roller
Auto / Manual modes
Real-time clock and calendar
RS-232 port
16-button control panel
Integral weight storage
110/220V 50/60Hz operational
CE

Optional Accessories:

High Sensitivity Attachment
Triple Cut Specimen Shear
Calibration Specimens
Auxiliary Range Weight Set (3000 and 5000 units)
Wire / Tube Testing Apparatus

Stiffness Tester Includes:

Compensator Range Weight
Range Weight (500, 1000 and 2000 units)
Calibration Specimen



Send us your material for a
product demonstration

TABER
INDUSTRIES

Setting the Industry Standard

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Akron, Ohio 44304 USA

For more information:

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Fax 330.376.8500

Email us at taber@ccsi-inc.com

Visit us at www.ccsi-inc.com

Stiffness Tester 150-B

TABER[®]
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Flexibility and Resiliency Testing

Precision instrument evaluates material stiffness.

The Taber Stiffness Tester utilizes a two directional pendulum-type weighing system to evaluate material stiffness, flexural strength, resiliency and elasticity properties. Force is applied to the lower end of the specimen by a pair of rollers attached to the driving disc. The resulting torque tilts the pendulum from its vertical position and a Taber Stiffness Unit reading ($g \cdot cm$) is taken when the pendulum mark aligns with the appropriate driving disc mark ($7\frac{1}{2}^\circ$ or 15°). Predetermined sample length, deflection angle and rate of loading provide accurate and reproducible test results.

Established tester offers durable construction.

Based on the original Taber Stiffness Tester, Model 150-B offers telescoping tripod legs which make this instrument lightweight and portable. Operated manually by an lever control switch, a robust housing protects the electrical components. The new ratchet stop roller significantly reduces specimen mounting variability.

Test a wide range of products.

Nine distinct setups permit the testing of very delicate to extremely rigid materials. Taber Stiffness Testers will evaluate paper, foil, light metallic sheet, laminated plastic, cardboard, wire, and other flexible materials up to 5.5mm (0.219 inches) thick that do not exceed 10,000 Taber Stiffness Units.



Stiffness Tester 150-B

Flexibility and Resiliency Testing

Standard Features:

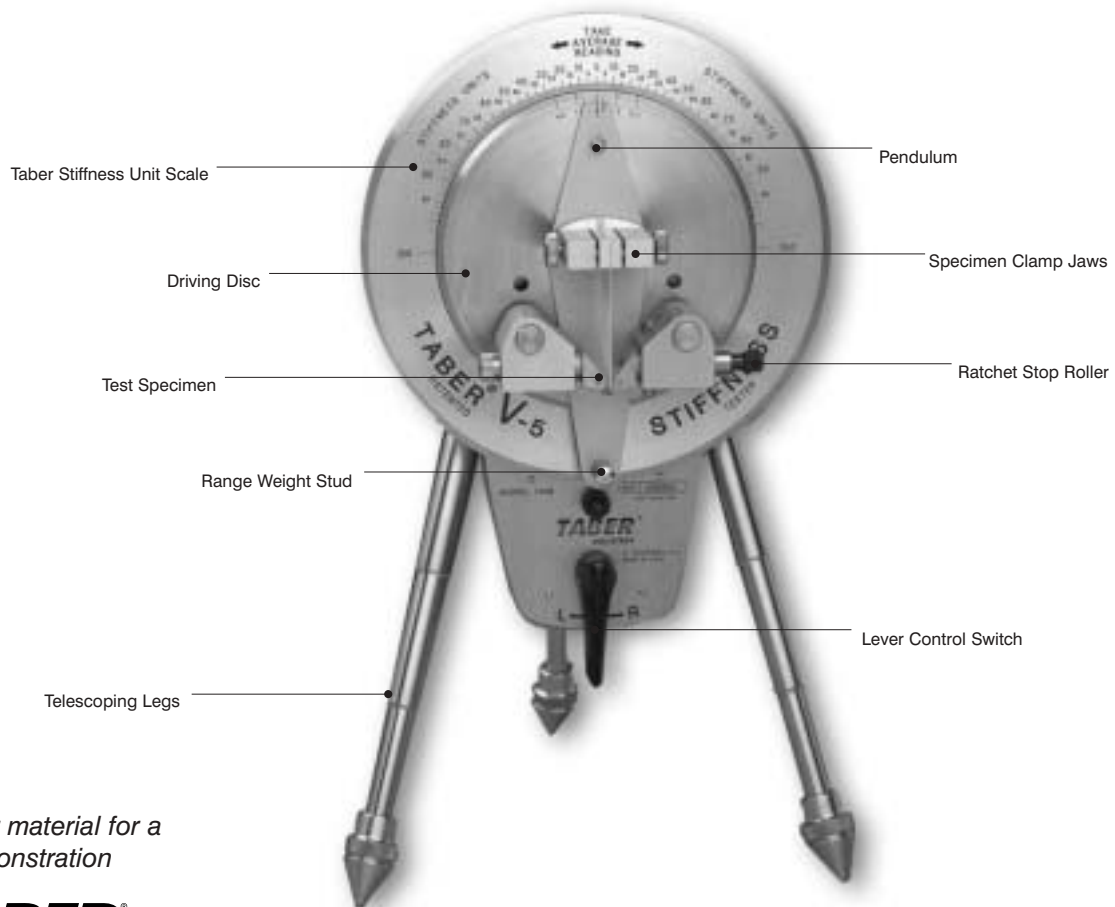
- Factory calibrated to accuracy of $\pm 1\%$ full scale
- Telescoping, tripod base
- Ratchet stop roller
- Constant speed motor
- Dynamic brake holds pendulum at the deflection
- Range weights to test most products

Optional Accessories:

- High Sensitivity Attachment
- Triple Cut Specimen Shear
- Calibration Specimens
- Auxiliary Range Weight Set (3000 and 5000 units)
- Wire/Tube Testing Apparatus
- Step-Down Transformer (required for 220V operation)

Stiffness Tester Includes:

- Compensator Range Weight
- Range Weight (500, 1000 and 2000 units)
- Range Weight Case
- Calibration Specimen



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For more information:
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