

Stiffness Tester 150-E

TABER
INDUSTRIES
ISO 9001:2000 CERTIFIED

Flexibility and Bending 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, light metallic foil, 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.



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Standard Features:

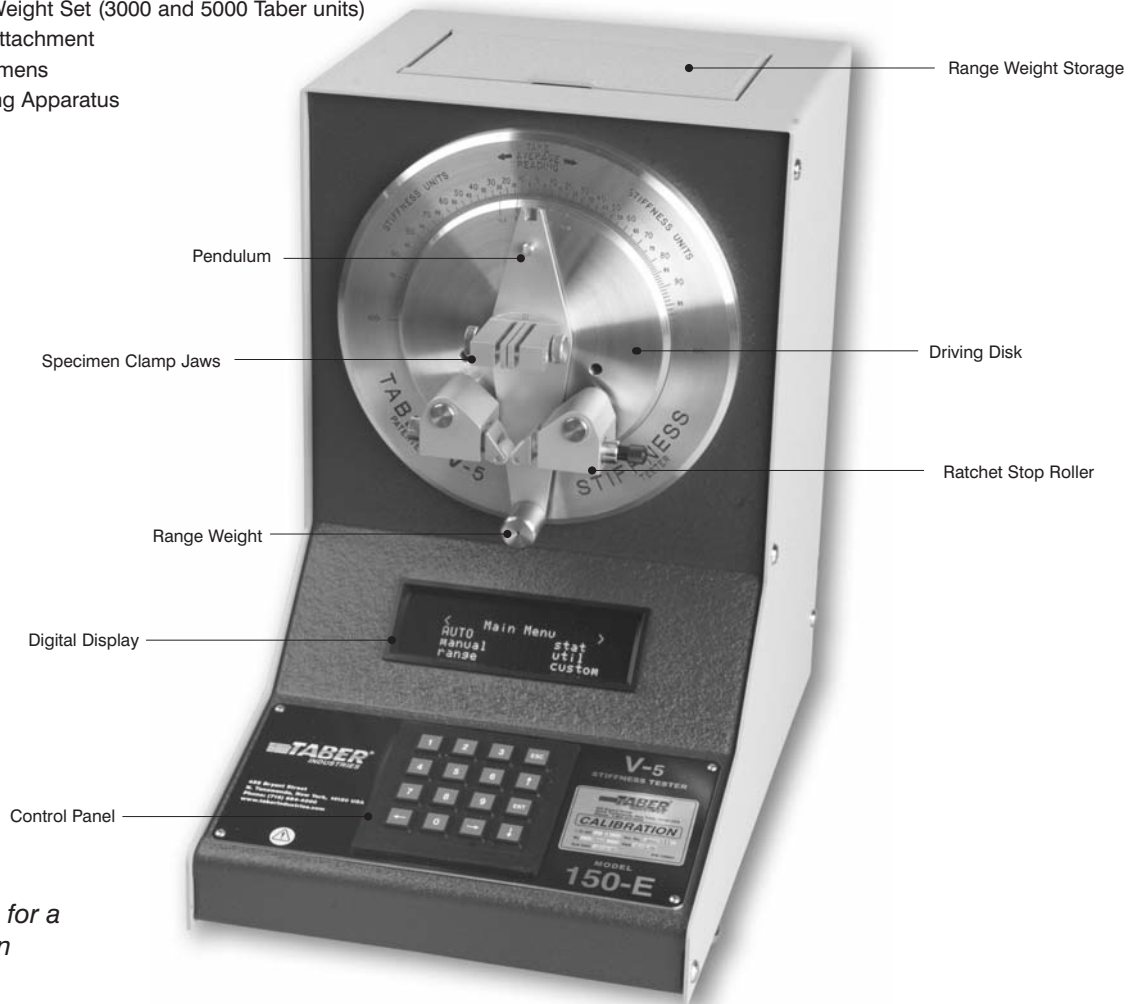
Factory calibrated to accuracy of $\pm 1\%$ full scale
Ratchet stop roller
Auto / Manual modes
Real-time clock and calendar
RS-232 port
16-button control panel
Integral weight storage
110/220V 50/60Hz operational
CE

Stiffness Tester Includes:

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

Optional Accessories (sold separately):

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



Send us your material for a product demonstration

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Setting the Industry Standard

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