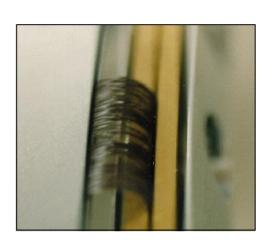# KES-FB2-S

Pure Bending Tester

Hair

Seat belt

Capable of measuring bending rigidity and recoverability of paper, hair, non-woven fabric and film, etc.

Measured values are obtained using a load cell which can detect the micro area correlated with sensory evaluation.

Capable of measuring the differences of surface treatment and softening treatment.

Measurement is completed in about 20 seconds.

Specification

Dimensions/Weight (approx.)	Measurement unit: W210 × D240 × H660 (mm) / 25 kg Amplifier: W180 × D400 × H400 (mm) / 10 kg
Power supply	100 VAC Maximum power consumption: 10 W
Measurement environment	20 to 30°C / 50 to 70%RH No condensation. Keep the temperature and humidity stable during measurement. (Standard conditions: 20°C / 65%RH) Note: The tester must be installed at a location with minimal effect from airflow and vibration.
Bending load detection	**Torque detector:** Detecting system for torsional moment of a steel wire **Torque sensitivity:** Full-scale 4, 10, 20, 50 gf・cm **Accuracy:** ±0.5% or less of full-scale
Curvature detection	**Curvature detector:** Potentiometer **Maximum curvature:** K=±2.5 cm^{-1} **Accuracy:** ±0.5% or less of full-scale
Rate of bending deformation	0.5 cm^{-1}/sec
Sample size	**Dimension:** 100 x 100 mm (standard) **Thickness:** 1 mm (max.)

※Please be aware that the contents are subject to change without notice.