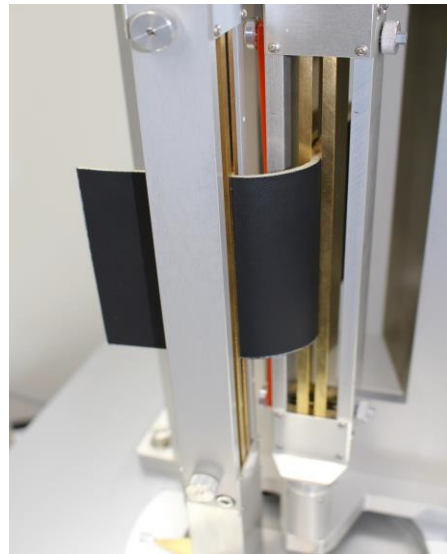




# KES-FB2-L

## Large Bending Tester

The KES-FB2-L Large Bending Tester accurately and quickly measures factors related to curvatures in small bending moments (bending hardness and recoverability).



Accurately and quickly measures factors related to curvatures in small bending moments (bending hardness and recoverability).

Adding to the small area available with conventional models, the KES-FB2-L enables measurements that were not previously possible, such as large bending moments and bending rigidity of thick sheet material and composites (products) made from multiple materials.

Measure treatment differences (such as flexible processing surface treatment).

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

The KES-FB2-L has been widely used in various industries, including the automotive industry for evaluation of resin sheet material and leather, etc.

## Specification

<b>Dimensions/Weight (approx.)</b>	Measurement unit: W430 × D370 × H990 (mm) / 80 kg Amplifier: W180 × D400 × H400 (mm) / 10 kg
<b>Power supply</b>	100 VAC Maximum power consumption: 30 W
<b>Measurement environment</b>	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.
<b>Bending load detection</b>	<b>Torque detector:</b> Detecting system for torsional moment of a steel wire <b>Torque sensitivity:</b> Full-scale 80, 200, 400, 800 gf·cm <b>Accuracy:</b> ±0.5% of full-scale
<b>Curvature detection</b>	<b>Curvature detector:</b> Potentiometer <b>Maximum curvature:</b> $K = \pm 0.4 \text{ cm}^{-1}$ <b>Accuracy:</b> ±0.5% of full-scale
<b>Sample size</b>	<b>Dimension:</b> 200 x 200 mm (standard) <b>Thickness:</b> 15 mm (max.)

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