haptique®
haptic quality evolution

SofTec – Softness-Tester

Advantages

Use in a stand-alone operation or combined measurement

Easy handling via touch panel PC

Individual parameter settings

Changeability of the probe head tool

Individual measuring processes for surfaces, base, composites

Data acquisition in the measuring device

Data exchange by USB, Ethernet and serial interface RS-232

Visualized measured results and curves

Technical data

Measuring range (force):
0-10 N (optional up to 50 N)

Maximum resolution (force):
0,6 mN

Measuring range (path):
30 mm

Maximum resolution (path):
1 µm

Supply voltage:
230 VAC

Supply frequency:
50-60 Hz

Data format:
XML

Maximum power consumption:
58 W

Total weight:
32 kg

Dimensions in mm:
W 490, D 506, H 41

Application

Softness that a person senses by touching and feeling of the material surface can be reproduced through the softness tester. The measuring method can be repeatedly produced under laboratory conditions. Thereby it is possible to include and to objectify softness resp. hardness of a technical “feel” into the process of selection and assessment of materials and surfaces.

The measuring method is suitable for material samples with or without coating, for example leather, synthetic leather, plastics, composite materials, rubber, textiles, paper etc.

Optional add-ons

The softness tester can be integrated into a haptic central system to consolidate the measurement results.

A 2D barcode reader can be connected to collect probe data efficiently.

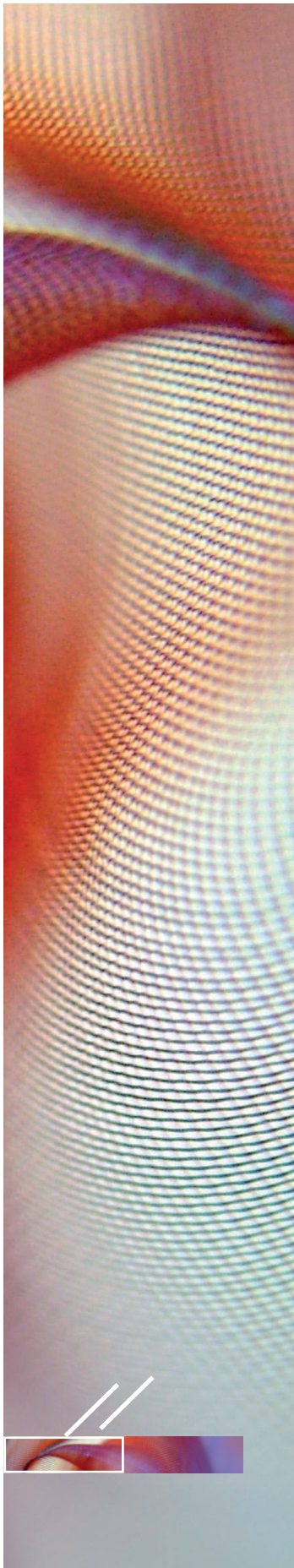
Force transducer from 500 to 1000 N can be delivered to extend the measuring range.

Measurement analysis

Path force diagram

Relaxation

Penetration



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