



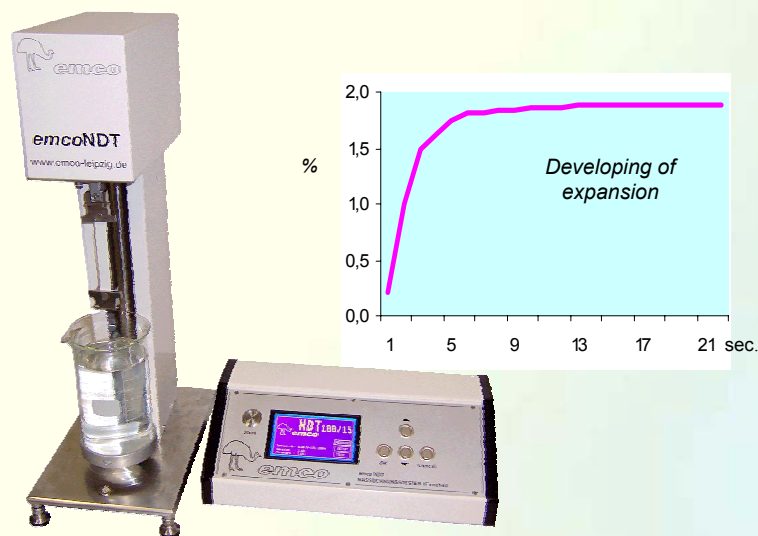
emco

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emcoNDT 100 **Hygroexpansivity Tester (Fenchel)**

Method for determination of dynamics the Hygroexpansivity of paper in length- and cross direction



Art.-Nr.: 813.610-S

- Contactless measurement value logging with laser sensor eliminates peripheral influences as friction or counterchecks of mechanical components
- Variable test time 1 - 999 Sec.
- Digital accuracy of measurement 0,01 %
- Automatic zero standard and compensation of clamping errors.
- Integrated climate sensor (optional)
- Developing of measurement is charted in real-time
- The state of calibration can be tested with included calibrating standards
- RS 232 interface for central management of result by dint of PC.



Construction and operating mode

Hygroexpansivity tester (acc. Fenchel) are established many years.
The new **emco**NDT measurement is automated and provided with electronic control.
In comparison to the established gauges are achieved Gerät substantial advantages for measuring value logging, the measuring- cycle as well as for operating.

Usually is needed a strip of 15 mm width to determination the hygroexpansivity in chross direction.

Alternative the **emco**NDT can construct for a strip width of 50 mm.

The gauge is controlled by menu. The measurement take place automatically.

Because the state of extension and basic length of paper affected by moisture content, that is depend on room climate, it is possible the climate to comprehend with each test (optional).

Chain of measurement

After clamping the sample and hitting the start-button measurement executes automatically in following steps:

- Unlock the upper clamp.
- Compensation of zero point.
- Water tank lifting.
- Time measurement is running.
- Digital and graphical indication of actual extension as well as residual measuring time.
- At the end of measurement the water tank is lowered.

Technical data

- Sample dimension: 15 x 100 mm (50 x 100 mm optional)
- Time: 1 - 999 sec
- Dimension NDT: (WxHxL) 200 x 650 x 300 mm
- Dimension control unit: (WxHxL) 390 x 130 x 210 mm
- Weight: 15 kg
- Power supply: 110...230 V 50/ 60 Hz
- Air pressure: 6 bar