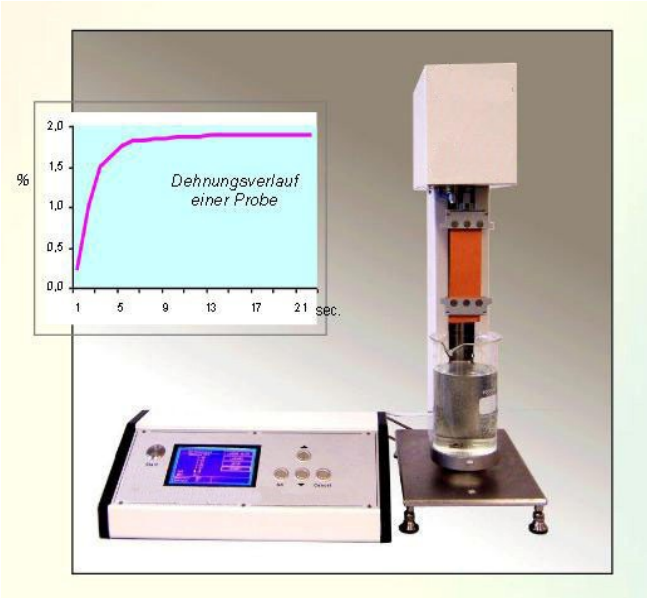
Wet tensile tester NDT 100



for the determination of the wet elongation of paper according to Fenchel

- non-contact measurement via laser sensor
excludes peripheral influences, such as friction or counterforces
of the measuring sensor.
- Variable test time from 1 - 900 sec.
- Separation of measuring time and immersion time possible
(optional)
- Digital measuring accuracy 0.01
- - Automatic zero adjustment and compensation of clamping errors
- Integrated climate sensor (optional)
- The course of the measurement is displayed graphically
- The calibration status can be checked with the supplied calibration standards supplied
- RS 232 interface
- Measurements according to 3 standards
(fennel - 1 g, 1 N in CD and 4 N in MD)

Design and mode of operation:

Fenchel wet tensile testers with a load of 1 g per mm of specimen width have been known in the paper industry for many years.
for many years. With the NDT 100 wet tensile tester, the measurement has been automated and equipped with an electronic control system.
and equipped with an electronic control system which, compared to the original instrument, offers considerable advantages in terms of
measurement value acquisition, measurement cycle and operation.
Typically, strip widths of 15 or 50 mm are used with an effective specimen length of 100 mm,
to determine the wet elongation of paper. The instrument is menu-driven. The measurement
is performed automatically. By simply placing or removing load weights, tests are
according to the following standards.

1. fennel standard with load of 1 g per mm specimen width
2. mytek standard CD with load of 1 N per 60 mm specimen width
3. mytek standard MD with load of 4 N on 60 mm specimen width

SCHRÖDER PRÜFTECHNIK

Karl Schröder KG
Mierendorffstrasse 28
D-69469 Weinheim

Web: www.schroeder-prueftechnik.de
@: info@schroeder-prueftechnik.de
T: +49 6201 9068-0
F: +49 6201 9068-29

Measuring procedure:

After clamping the specimen and pressing the start button, the test runs fully automatically as follows:
- Unlocking of the upper, movable clamp
- Zero point compensation of the measuring system
- Lift water vessel
- Switch on time measurement
- Digital and graphic display of the current strain and the remaining measuring time
- Lower water vessel after measuring time has elapsed
- Optionally, the measuring time can continue after lowering

Technical data: Specimen size: 15 x 100 (50 x 100 mm optional)
Test time: 1 - 900 sec.
Mains voltage: 110 - 230 V, 50/60 Hz / compressed air 6 bar/ weight 15 kg
Dimension: NDT 100: 200x650x300 mm (WxHxD)
Control unit: 390x130x210 mm (WxHxD)

SCHRÖDER PRÜFTECHNIK

Karl Schröder KG
Mierendorffstrasse 28
D-69469 Weinheim

Web: www.schroeder-prueftechnik.de
@: info@schroeder-prueftechnik.de
T: +49 6201 9068-0
F: +49 6201 9068-29