Stand Alone

①

Twin Folding Tester

For the determination of the folding endurance on paper and board following the Louis-Schopper system.

For:

✓ **PAPER**

✓ **BOARD**

FRANK-PTI
QUALITY TESTING INSTRUMENTS

Start
Stop

✓ ProbeNet-kompatibel

MOST IMPORTANT BENEFITS

✓ **Two folding heads for simultaneous tests of two samples**

✓ **Spring loaded sample carrier**

✓ **Speed: 120 strokes/min**

✓ **Automatic stop if device detects sample break**

FRANK-PTI
QUALITY TESTING INSTRUMENTS
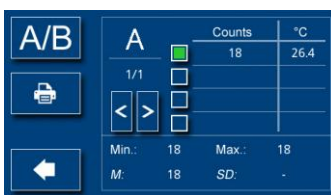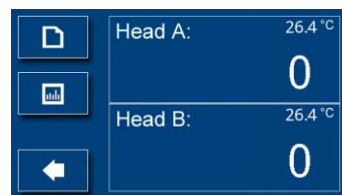
PRODUCT DESCRIPTION

The twin folding tester consists of a robust case, on which two folding heads are attached. The sample supports, which are located to the side, are spring loaded and are opened and closed using a quick latch. To prevent environmental influences an acrylic glass safety cover is attached above the folding tester. A digital display and start and stop buttons are located on the front of the unit.
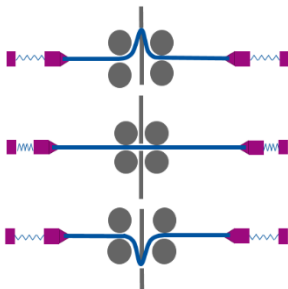
TEST DESCRIPTION

Two samples, created with the sample strip cutter, are placed through the folding heads at the same time and clamped in the sample supports with a preset tensile force. Pushing the start button moves the sample swiftly between the folding rolls with a reciprocating action in a radius of 0.25mm. This folds the test strips in both directions. If one of the samples breaks, the folding operation continues on the second sample until this also breaks. Then the units stops automatically and the number of folds before breaking is shown on the digital display. Because of the quite large standard deviation, two samples are always tested simultaneously. To ensure correct test behaviour the test should be carried out under suitable climatic conditions (23 °C / 50% RH).
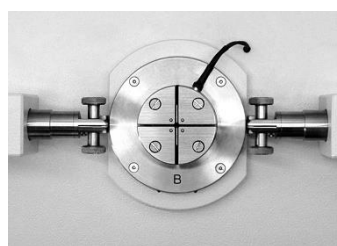

display statistics

display Measurement

folding process

Falzkopf mit Temperatursensor

TECHNICAL DATA

DEVICE / INSTRUMENT

- Testing of two samples simultaneously
- Safety cover made of acrylic glas
- Spring-loaded sample carriers
- Spring load preset
- Speed: 120 strokes/min
- Temperature sensor detects increased temperatures
- Digital display with statistic functions
- Compatible with ProbeNet

APPLICABLE STANDARDS

ISO 5626
TAPPI T 423
*more standards on requests

MEASUREMENT

Measuring speed	120 strokes/min	
Test	Stops after sample breaks	
Test length	90mm	
Sample spec.	Paper	Board
Width	max. 15mm	max. 15mm
Thickness	max. 0,25mm	max. 1,25-1,4mm
Clamping length	max. 100mm	max. 140mm
Test force	min. 7,55N	max. 9,81N

Accuracy	1 stroke
	Temp +- 0,1C°
Folding way	20mm
Statistics	Min., Max., Mean, Standard deviation of the measurement series

CONNECTIONS

Power:	110-230V/50-60Hz
	<60W
Water:	-
Compressed air:	-

DATA

RS232:	Data output
USB:	Updates / Service
Ethernet:	Data output (MQTT)

DIMENSION

	L x H x B
S135050000/1	530 x 500 x 300 mm

Weight:	net / gross
S135050000/1	45kg / approx. 66 kg

ARTICLE / MODELS

S135050000	Twin Folding Tester for Papier
S135050001	Twin Folding Tester for Board

* more on request

Accessories:
S135051009   Calibration device with weight 1000g