



PAPER Testing Equipment



PAPER TESTING ASSOCIATION

TWIN FOLDING TESTER FOR PAPER AND BOARD

Code. 110106

Determines the folding resistance of paper, according to the Schopper principle.

Standards: ISO 5626, TAPPI 523, NF Q03-062, NF ISO 5626



DESCRIPTION:

The device measures the number of folds until the sample breaks. The test requires that two samples be tested simultaneously.

CONNECTIONS:

Electricity: 230/110V, 50/60 Hz

Compressed air: none

DIMENSIONS AND WEIGHT:

Dimensions: 530 x 490 x 340 mm (W x D x H)

Net weight: 50kg

Gross weight: 80kg

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TEST DESCRIPTION:

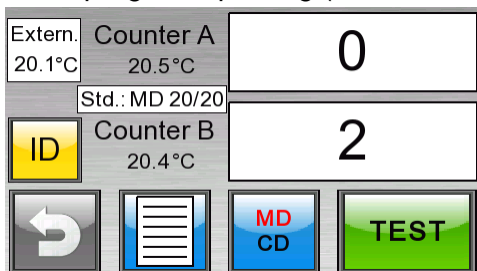
Two samples are clamped in the folding heads for a simultaneous test. The spring-loaded sample supports are pulled apart, so that the samples are clamped at the specified force. After pushing the start button, the folding knives begin to guide the sample around the sapphire supported folding rolls. That way, the samples are folded on both sides at a radius of 0.25mm. If one sample breaks, the folding process of the second sample continues until it breaks too. The movement of the folding heads stop after test termination, so that the samples can be removed. The device records and displays the number of folds until the sample breaks.

SPECIFICATIONS:

- Papers up to 0.25mm thickness
- Temperature Display of each Head and the Laboratory.
- Spring force min. 7.55N / max. 9.81N
- Testing length: 90mm
- Sample length: 100mm
- Sample width: 15mm
- Speed: 115 ± 10 strokes/min
- Touch screen with statistic functions
- RS 232 interface for result transfer
- Compatible with NOVILOG
- Optionally available with temperature sensor for temperature deviation measurements.
- CE mark.

USER INTERFACE:

- Machine controlled by means of a touch screen and two auxiliary buttons.
- Through the visualization and control screen, the total control and configuration of the machine can be managed.
- Easy and intuitive operation of the control menu, configurable in different languages.
- Two result tables with a maximum of 20 test results per table (10 samples tested in MD (Machine Direction) and a second table with the samples tested in CD (Cross Direction). A maximum of 20 tests results can be stored in each table (10 for "A" station and 10 for "B" station).
- Statistical control. Mean value, standard deviation, and maximum and minimum values.
- Periodical program updating (without additional costs).



N°	DF	log10	ΔT	N°	DF	log10	ΔT
6 A	0	0.000	0.0	8 B	2	0.301	0.2
6 B	3	0.477	0.3	9 A	0	0.000	0.0
7 A	0	0.000	0.0	9 B	3	0.477	0.2
7 B	2	0.301	0.3	10 A	0	0.000	0.0
8 A	0	0.000	0.0	10 B	2	0.301	0.2
				Σ	1	0.156	0.1
				σ	1	0.204	0.1
				Max	3	0.477	0.3
				Min	2	0.301	0.3

Below the table are buttons: "DELETE", "MD/CD", a circular arrow, a left arrow, and a printer icon.

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