

# Folding Endurance Tester

## twin/double folding

Code: P.103

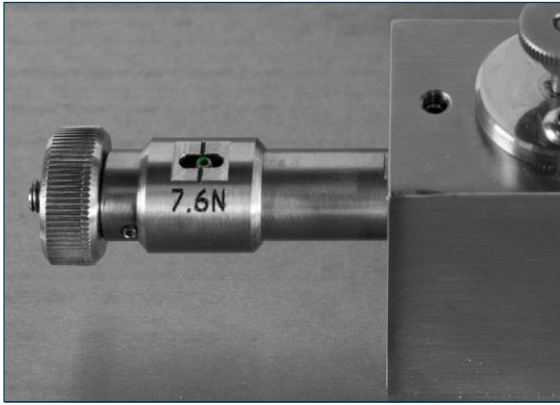
### Usage

Determines the folding resistance of paper according to the Louis Schopper method.

### Applicable standards

- ISO 5626
- TAPPI T523
- NF Q03-062
- NF ISO 5626
- IS 1060





Spring force strength between 7.55 and 9.81 N

### Device description

The device measures the number of folds until the sample breaks. The test requires two samples to be tested simultaneously. It is equipped with a touch screen displaying the temperature, the number of folds and statistical values. The heads are equipped with sensors to convey the temperature inside the heads.

### Process description

Two samples are clamped in the folding heads for simultaneous tests. 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 an area of 0.25 mm. If one sample breaks, the folding process of the second sample continues until it also breaks. The movement of the folding heads stop after test termination, so that the samples can be removed. The device records the number of folds until the sample breaks and displays them on the touch screen.



Two samples folded simultaneously

### Specifications

- paper thickness up to 0.25 mm
- easy to use due to touch screen
- statistic functions
- display of each head temperature and the ambient temperature.
- spring force: min. 7.55N/max. 9.81N
- testing length: 90 mm
- sample length: 100 mm
- sample width: 15 mm
- speed: 115 ±10 strokes/min
- RS 232 interface for result transfer

### Connections

- Electricity: 110 - 230 V, 50 /60 Hz AC
- Data Transfer: RS 232