

TISSUE ABSORPTION TESTER

For the determination of the water absorption time and water absorbency of tissue.

- › Entire made of stainless steel
- › Standardized immerse basket ($3 \text{ g} \pm 0.1 \text{ g}$)
- › Changeable water container with a capacity of 3 l
- › Digital display of values and statistics



Applicable standards

- › DIN EN ISO 12625-8



Digital display



Immerse basket and exchangeable water container



Semi-automatic model (System Noviprofibre)

Device description

The absorption tester is manufactured from robust stainless steel. The exchangeable water container (3 litre) is lowered and raised via an integrated pneumatic cylinder. The immersion basket is located at an angle of 30° above the raising and lowering mechanism. It swings freely and is attached to the load cell that weights the sample with and without water. The digital display and controls are located on the upper part of the unit at a comfortable height.

Test description

A sample weighing approximately 5 grams \pm 0,2 g is placed in the immersion basket. The water container is filled with distilled water and the lifting and lowering mechanism is set. Pushing the start button automatically weighs the sample and the water container is lifted pneumatically. After the sample is completely immersed in the water, the start button is pressed again to determine the immersion time. Once 30 seconds have elapsed the water container is lowered. Excess water then drips back into the container from the sample for 60 seconds. Then the sample is once more weighed and the absorbency of the material is determined. The values, in relation to 1g sample weight, can be read from the digital display as values and statistics.

Specifications

- ✓ Standardized immerse basket (3 g \pm 0.1 g)
- ✓ Exchangeable water container with a capacity of 3 l
- ✓ Digital display of values and statistics
- ✓ Display of absorbed water (g) per 1 g tissue
- ✓ Compatible with ProbeNet (see pages 254 – 257)

Semi-automatic model (System Noviprofibre):

- ✓ Standardized immerse basket (3 g \pm 0.1 g)
- ✓ Water basin with a capacity of 3 l
- ✓ Automatic test sequence
- ✓ No digital balance: sample needs to be weight manually
- ✓ Drainage via a valve

Technical data

Electrical connection	100 – 230 V / 50 – 60 Hz
Water connection	No
Compressed air	400 – 600 kPa

Models

- *Fully-automatic model (System FRANK-PTI)*
- *Semi-automatic model (System Noviprofibre)*