

## RYCOLAB



### Usage

For measuring the bursting strength of paper according to the MULLEN method.

### Applicable standards

ISO 2758, ISO 2759, TAPPI T403, T807, T810, BS3137, FEFCO 4, SCAN P25/P24, etc.

### Device description

This device is delivered with a built-in touch-screen and is controlled by an industrial computer. All parts are built into a sturdy aluminum frame. The device is equipped with 1 measuring head for bottom measurement of the bursting strength. Measuring range up to 5000 kPa with an accuracy of  $\pm 1\%$  of the displayed value. Clamping force for the sample holder is adjustable between 1000 N and 7500 N. Maximum sample height is 12 mm. Display of burst value as also BEA (Burst Energy Absorption). Automatic test cycle with break detection and after break automatic return to starting position.

### Test description

The sample to be tested is placed in the measuring area. By pushing the start button on the touch screen first the acrylic glass protection cover and then the clamping bell lowers and fixes the sample. Glycerin under the membrane is compressed and the membrane is pressed against the sample. When the sample breaks, the hydraulic cylinder stops and returns to starting position. The protection cover and the clamping are opened automatically. The maximum pressure is shown on the display as breaking force. The next sample can be tested.

### Specifications

- Top-quality materials and manufacturing
- Flow rate of glycerin acc. ISO 275895  $\pm 5\text{ml}$
- Lower clamp diameter is 33.1mm
- Pneumatic clamping force adjustable between 1000N and 7500N
- Safety covers lower before the clamping bell can lower



Measure



Improve



Service



Figure: Touch screen display

- Measuring range up to 5000kPa with accuracy of +/- 1% of the displayed value
- Touch screen operation and display of breaking force, values, graphs, statistic values
- Top and bottom values can be stored separately in the memory, ratio can be calculated
- RS232/USB port for data transfer
- Windows based software
- USB printer output
- Emergency push button
- CE mark
- Different languages are selectable (English, French, Spain, Russian,..etc)
- Setting of different breaking levels (as example: 20%, 15% or 10% of the max. force)
- Graph of Force / Time can be shown on the display
- Easy to use touch screen display



Figure: Burst measuring head

## Dimensions

	Net	Gross
Width	360	840
Depth	600	600
Height [mm]	530	790
Weight [kg]	70	120

## Connections

Electricity: 110-230 V, 50-60 Hz AC

Air: 600 kPa