product specification

Bursting Strength Tester – Mullen Type

Description

According to Mullen, the bursting strength resistance is one of the most important physical characteristics to measure in most flexible substrates including paper, board, textiles, non-wovens, foils and plastics.

The MTA-2000 series is an automatic, microprocessor controlled and electronic series of testers. They support statistical analysis that can be either viewed on the LCD or directly transferred to a printer or PC through the RS-232 interface. Excellent reproducibility and repeatability are guaranteed through pneumatic clamping of the sample. The instruments are ideal for both quality control and research and development.

- MTA-2000P – for papers
- MTA-2000C – for paper and cardboard
- MTA-2000T – for textiles

Features

- Simple operation with built-in software, alphanumeric backlit display and membrane keyboard
- Software features include:
  - complete automated testing procedure
  - selectable units kPa, kgf/cm^2, lbf/in^2
  - statistical analysis including average, maximum and minimum, standard deviation, variation
  - calculation of bursting strength resistance and the bursting index
  - electronic safety device for the membrane
- Pneumatic clamping of the sample
- Equipment supplied with a quick release connector for calibration purposes and all of the tools required for diaphragm exchange
- Data can be either viewed on the LCD or transferred directly to a local printer through the parallel port and to a host PC through the serial port

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Physical specifications

Dimensions
22 x 52 x 47 cm (W x D x H)

Net weight
60 kg

Options

- Plexiglass safeguard with integrated safety switch for small samples
- Set of extra spare diaphragm

Performance data

	Maximum capacity (kPa)	Measuring range (kPa)	Diaphragm diameter (mm)	Pump flow rate (ml/min)
MTA-2000P	2000	1100	33.1	95
MTA-2000C	6000	5500	31.5	170
MTA-2000T	6000	5500	30.5	170

Resolution
1 kPa, 0.001 kgf/cm^2, 0.1 lbf/in^2

Precision of pressure gauge
0.2%

Power supply
220 V, 50/60 Hz, single phase

Power consumption
200 W

Air supply
6 bar, compressed air clean, dry lubricated

Sensitivity setting
40–100%

Standards

ISO 2758, 2759, TAPPI T-403, T-807, SCAN P24, P25, DIN 53141

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