

Burst tester

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

This unit is used in quality control and R&D.

The MTA-2000 is an automatic and electronic tester, controlled by a microprocessor.

It meets the most recent versions of the ISO-, DIN-, SCAN- and TAPPI-specifications.

This instrument guarantees excellent reproducibility and repeatability through the pneumatic clamping of the sample.

The standard MTA-2000 supports statistical analysis that can be viewed on the LCD or be directly transferred to a printer or PC through the RS-232 interface.

The MTA-2000P is used for testing papers, the MTA-2000C for testing paper and cardboard, the MTA-2000T for testing textile.



Features

- Easy operation through built-in software, alphanumeric backlit display and membrane keyboard
- Software features:
 - complete automated testing procedure
 - selectable units (kPa, kgf/cm², lbf/in²)
 - statistical analysis : average, max. and min., standard deviation, variation etc.
 - calculation burst strength resistance and the bursting index
 - electronic safety device for the membrane
- Pneumatic clamping of the sample
- Equipment is delivered with all necessary tools for diaphragm exchange and a quick release connector for calibration purpose
- Data can be visualised directly on the LCD display, transferred directly to a local printer, through the parallel port and to a host PC through the serial port

Technical specifications

Max. capacity

2000P: 2000 kPa

2000C: 6000 kPa

2000T: 6000 kPa

Measuring range

2000P: 70 - 1100 kPa

2000C: 350 - 5500 kPa

2000T: 350 - 5500 kPa

Diaphragm diameter

2000P: 33.1 mm

2000C: 31.5 mm

2000T: 30.5 mm

Pump flow rate

2000P: 95 ml/min

2000C: 170 ml/min

2000T: 170 ml/min

Resolution

1 kPa, 0.001 kgf/cm², 0.1 lbf/in²

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 %

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

Standards

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