

PROGAGE™ ELECTRONIC THICKNESS TESTER

The ProGage™ thickness tester utilises the most advanced technology to quickly and accurately measure the thickness of sheeted material, such as paper, films, tissue and toweling, non-wovens and textile.

Featuring a dual speed pressure foot, it can perform up to 20 test cycles per minute while maintaining a high degree of accuracy.

A new design of the anvil ensures excellent parallelism, zero stability and calibration.

A wide range of selectable presets for the measuring speed distance and the pressure foot speed as well as a selection of pressure feet diameters and weights enable the unit to be configured to several test standards.

Capable of continuous or single testing, statistical analysis is automatically performed. Average, high, low and standard deviation are computed, displayed and can be printed.

The ProGage™ can also operate in conjunction with other instruments or be controlled remotely through a computer terminal.



Features

- Remote control via a computer terminal
- Dual speed pressure foot ensures the quickest test cycle available
- Zero stability and calibration
- Excellent parallelism
- Thumb screw access for easy maintenance
- Push button measurement conversion - mils, microns, millimeters, inches
- Digital display, push button operation
- Motorised automatic cycling
- Interchangeable pressure feet available
- Memory and graphic reporting capability

Non-wovens, Packaging, Paper, Plastics, Textile...

Physical specifications

Dimensions (WxLxH)

25.5 x 30.5 x 32 cm

Net Weight

23.5 kg

Options

- **Sample feeder :**
an automatic strip feeder is available for cross-reel profiling and roll or strip feeding. Settings range from 0.1" (2.5 mm) to 19.9" (505 mm).
- **Dot matrix serial printer :**
a formatted report can be printed on demand, showing test results, a statistical analysis for a group of tests and a profile graph.
- **Foot switch :**
a foot actuated control enables the user to start a test with one press of the foot switch thereby keeping the hands free to insert test samples.
- **Data acquisition software (DAS) :**
a Windows® based optional software package that provides the ability to collect data and perform additional statistical analysis. DAS enables you to plot results real time against defined limits, generate semi-custom reports and export test data to other spread sheet packages for further management.

Standards

ISO 534, 3034, EN 20534, SCAN P7, P31, DIN 53105, 53353, EDANA ERT30.4-89, ASTM D374, D1777, TAPPI T-411, CPPA D.4, BS 3983, 4817 and more

Performance data

Opening - mils / dwell time - (sec)

1000 μ	80 ± 15 / 2
2500 μ	200 ± 15 / 2
5000 μ	220 ± 15 / 2
12700 μ	520 ± 15 / 2

Accuracy & Parallelism - inch (mm)

1000 μ	± 0.00004 (± 0.001)
2500 μ	± 0.00005 (± 0.0012)
5000 μ	± 0.00025 (± 0.0064)
12700 μ	± 0.0005 (± 0.013)

Display resolution

1000 μ	0.00001" - 0.25 μ - 0.001 mm - 0.1 μ
2500 μ	0.00001" - 0.25 μ - 0.001 mm - 0.1 μ
5000 μ	0.00005" - 1.25 μ - 0.005 mm - 0.5 μ
12700 μ	0.0001" - 2.5 μ - 0.01 mm - 1 μ

Measurement speed distance

Range from 0.005" (0.012 mm) to 0.500" (12.7 mm)

Dwell time

0.0 - 9.9 seconds

Pressure foot speed

15 presets available between 0.026 - 0.416 in/sec (0.660 - 10.566 mm/sec)

Pressure foot size

0.19 in (4.83 mm) to 2.2 in (56 mm)

Power requirements

110 V, 50/60 Hz - 220/230 V, 50 Hz - 240 V, 50 Hz

Power consumption

Operating maximum 18 W
Standby maximum 12 W

"Partners in Quality"