

Horizontal Tensile Tester

Model: DH-21

a measurable difference...

IDM[®]
instruments

The DH-21 is used for the determination of tensile properties of paper, board and tissue paper: tensile strength, stretch at rupture and TEA (tensile energy absorption) during quality control and R&D.

The new and modern design associated to the use of light and resistant materials, offers a friendly, ergonomic and secure operation to the user.

The exclusive interactive and intuitive software offers options to three complete tests and a basic test. The software enables 3 specific programs with option for statistical and respective resistances calculation, according to the applicable technical standards.

During the test the wide LCD display shows a graphic of the evolution of the test and after its conclusion indicates automatically the maximum force and elongation of the test piece.

Also available RS232 serial port for interface with PC for transfer of test results, thermal printer, memory for automatic storage of the last 500 reports and search function by date, operator, material or test type.



Applications:

- Paper
- Board
- Tissue Paper

Features:

- Lightweight and sturdy aluminium frame
- Accurate linear bearings and ball screw
- Precision load cell
- Heavy duty step motor
- Alphanumeric touch keyboard
- LCD display
- Built-in electronics
- Exclusive testing software – no need for PC
- RS232 serial port
- Pneumatic clamps with built-in sample detection

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Specifications:

Capacity	0 - 500 N
Selectable test unit	N or kgf or lb
Resolution	0,01 N or 0,001 kgf or 0,001 lbf
Programmable test speed	1 - 200 mm/min
Programmable clamps aperture	50 to 180 mm
Pneumatic clamps width	50 mm
Adjustable clamping pressure	1 - 6 bar
Test parameters	Programmable
Power consumption	200W

Standards:

- ISO 1924-2
- ISO 1924-3
- ISO 3781
- ISO 12625-5
- TAPPI T-494
- TAPPI T-456

Options:

- Delamination device DI-DEL (Z bond test)
- Pneumatic Precision Sample Cutter GP-21
15 x 300 mm, 25 x 300 mm or 50x300 mm

Connections:

- **Air:** 6 bar, instrument quality
- **Electrical:** 220 VAC @ 50/60 HZ, single phase

Dimensions:

- **H:** 400mm
- **W:** 520mm
- **D:** 690mm
- **Weight:** 33kg