

## HORIZONTAL TENSILE TESTER

### model DH-21

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.



#### MAJOR TECHNICAL CHARACTERISTICS

Capacity	0 - 500 N
Selectable test unit	N or kgf or lbf
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

*Pneumatic clamps with built-in sample detection ensure an easy, safe and comfortable operation.*

*The DH-21 attractive modern design houses a lightweight and sturdy aluminum frame, accurate linear bearings and ball screw, precision load cell, heavy duty step motor, alphanumeric touch keyboard, LCD display, built-in electronics and the exclusive testing software that eliminates the need for a PC to operate it.*

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

**Applicable standards:** ISO 1924-2 · ISO 1924-3 · ISO 3781 · ISO 12625-4 · ISO 12625-5 · TAPPI T-494 · TAPPI T-456

Power supply	220 VAC 50/60 Hz, single phase
Power consumption	200 W
Air supply	6 bar, instrument quality
Dimensions	(520 x 690 x 400) mm (W x L x H)
Weight	33 kg