TECHNICAL BROCHURE

AIR PERMEABILITY TESTER TYPE GURLEY

model PAG-21.ng

Air permeability is a critical property for the specification, quality control, and performance of papers, paperboards, and cellulosic materials. It directly influences characteristics such as mechanical strength, printability, absorption, barrier properties, and behavior during subsequent industrial processes.

The PAG-21.ng was designed to perform air permeability testing with a high level of automation, repeatability, and reproducibility. The system minimizes operator influence while strictly complying with the main technical standards applicable to the Gurley method.

KEY FEATURES

- **Robust construction designed for long-term reliability**, ensuring consistent performance in laboratory and industrial environments.
- **Application-driven equipment and software development**, delivering high accuracy with an intuitive and user-friendly interface.
- **10.1" Touchscreen Display** that allows clear and immediate visualization of results.
- **Automatic sample presence sensor**, preventing incorrect activation and enhancing safety.
- **USB-C interface and built-in thermal printer**, enabling easy data export or immediate on-site result printing.
- **Regmed equipment:** a global reference for over 65 years in laboratory solutions for physical testing of pulp, paper, and packaging materials.

MAIN APPLICATIONS

- Quality control of papers for printing, writing, and packaging
- Testing of specialty papers
- Development and validation of new cellulosic materials
- Batch comparison and production process monitoring
- Evaluation of fiber-based porous materials
- Raw material control in the pulp and paper industry
- Refining process control

TECHNICAL STANDARDS

- ISO 5636/5
- TAPPI T-460

** Due to continuous development, this equipment is subject to change without prior notice.*

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DIMENSIONS

SPECIFICATIONS

Reading unit	Seconds
Unit resolution	0,01 second
Maximum capacity	300 mL
Measurement ranges	10mL, 25mL, 50mL, 100mL, 200mL and 300mL / programmable
Clamping pressure	2.4 bar
Clamping system actuation	Pneumatic, automatically actuated with sample presence sensor
Power supply	220 VAC, 50/60 Hz, single or two-phase, 200 W
Pneumatic supply	6 bar, clean, dry air, 0.1 m^3/h
Weight	29 kg

Features multilingual software (English, Spanish, and Portuguese), USB-C serial output for data transfer, built-in thermal printer, memory storage for the last 500 test reports, and search function by date, user, or product.

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ADDITIONAL IMAGES

10.1" Touchscreen Display

Intuitive interface that simplifies operation, speeds up test configuration, and allows clear and immediate visualization of results.

USB-C Output

Modern connection that simplifies data export, allowing test results to be processed and analyzed using data analysis software.

Built-in Thermal Printer

Allows immediate printing of results, facilitating laboratory records, traceability, and routine documentation.

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