



PAPER TESTING ASSOCIATION

# PAPER Testing Equipment



## PG-A01 AUTOMATED GURLEY DENSOMETER PTA

Cod. 170406

To determine the paper porosity according to Gurley method

Standards : ISO 5636/5, SCAN P19, TAPPI T460, BS 6538/3, PAPTAC D14



Sold & serviced by:

**OpTest Equipment Inc.**

[www.optest.com](http://www.optest.com) - [sales@optest.com](mailto:sales@optest.com) - +1-613-632-5169



## CHARACTERISTICS :

- Automated Gurley Original instrument.
- Easy operation and high measurement accuracy.
- Graduated cylinder of 20 oz. and a measurement diameter of 1 inch<sup>2</sup>.
- Pneumatic elevation of the inner cylinder.
- Full colour 4 " Touch Screen, from which the total control of the instrument can be managed.
- Full statistics : maximum and minimum values, mean value and standard deviation.
- USB connection for printer.
- CE mark.

## SPECIFICATIONS :

This is the more traditional and popular instrument for measuring the porosity and air permeability in materials with intermediate values. May also be tested materials of lower air permeability, using smaller diameter hole measuring plates.

The air pressure is produced by an inner cylinder of specific diameter and standardized weight, floating freely in an outer cylinder partly filled with oil serving as air sealing.

The sample of the test material is held by clamping plates having a circular orifice of 1.0 square inch (standard) or 0.1 or 0.25 square inches (optional).

Porosimeter readings can be evaluated directly or indirectly depending on the material and the objectives of the test. Directly when the capacity of resistance to airflow through a material is tested. Indirectly, when it is wanted to measure other physical properties that affect the passage of air through a porous sheet.



### PTA SPAIN

C/ Gurutzegi N° 16 Pol. Belartza  
20018 SAN SEBASTIÁN  
(Guipúzcoa) - Spain

### PTA FRANCE

14, rue Evariste Galois / ZAC les Ruires  
38320 EYBENS - France

### PTA ASIA

50 East Coast Road #02-73 Roxy Square  
428769 SINGAPORE - Singapore

### PTA RUSSIA

2-nd Murinsky 49, of.247  
194021 St. PETERSBURG - Russia



### APPLICATIONS :

- In papermaking and printing, to select materials that provide a suitable degree of ink absorption.
- For determining the air resistance of insulating materials.



### SUPPLY :

The standard model includes a 20 ounces cylinder and a lower clamping plate of 1.0 square inch of air hole and an upper adapter.

The 20 ounces cylinder is graduated in 25 cc for the initial two spaces and 50 cc for each of the other spaces, up to a total of 300 cc.

### CONNECTIONS:

Electrical : 220/110V, 50/60Hz      Air supply : 4 kPa, filtered air.

### WEIGHT AND DIMENSIONS :

Dimensions:                      400 x 250 x 432 mm (WxLxH).

Weight:                              10 Kg / 13 Kg.

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