

POROSITY TESTER

"HIGH PORO"

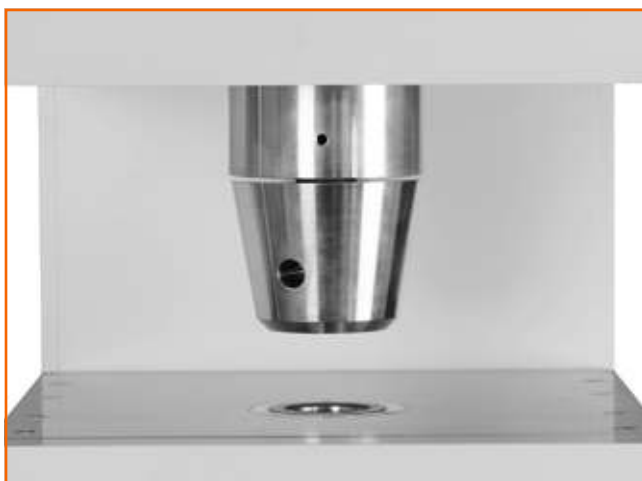
For the determination of the porosity of tissue and filter papers.

- › Easy operation via the integrated touch screen
- › Pressure difference adjustable
- › Different flow rates available



Applicable standards

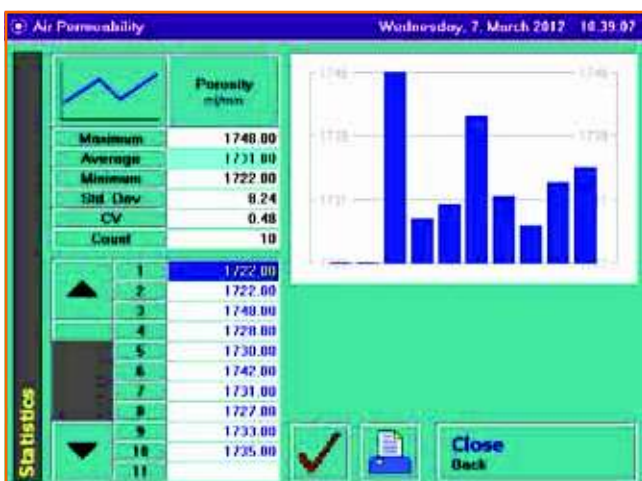
- › ISO 5636-1 | -3
- › DIN 53120-1



Measuring cylinder



User interface



Statistics

Device description

The specially developed PTA-Line housing, which is equipped as standard with user-friendly touch screen and the FRANK-PTI connections (see page 12), offers an exceptional basis for the high-precision measurement mechanism of the porosity tester "High Poro". The tester is based on the principle of Bendtsen air permeability testing. The main difference is the measurement range, which in this device can be, depending on configuration, increased by up to 150 l/min. As with the PTA-Line Bendtsen air permeability tester (see page 96) the measurement pressure to be used is regulated at the test unit directly. This guarantees stable and comparable measurement across the entire range.

Test description

The sample to be tested is placed in the measurement area. On pushing the start button, the measuring cylinder, with a measurement area of 10 cm², lowers onto the material and compresses it at the sides. A difference in pressure of 0.74, 1.47 or 2.20 kPa is created automatically, and the throughflow through the sample is measured. The air permeability values are displayed on the touch screen in l/min. If more than one measurement is carried out, these can be compared as statistics, and their minimum, maximum and standard deviation displayed.

Specifications

- ✓ Easy operation via the integrated touch screen
- ✓ Pressure difference adjustable:
 - ▶ 0.74 kPa
 - ▶ 1.47 kPa
 - ▶ 2.20 kPa
- ✓ FRANK-PTI standard-ports (see page 12)
- ✓ Compatible with ProbeNet (see pages 254 – 257)
- ✓ Useable as PTA-Line modul (see pages 172 – 197)

Technical data

Electrical connection	110 – 230 V / 50 – 60 Hz
Water connection	No
Compressed air	400 – 600 kPa

Models

- ▶ Available flow rates:
 - 100 – 50,000 ml/min
 - 200 – 100,000 ml/min
 - 300 – 150,000 ml/min