



POROLUX™ BP

First Bubble Point Tester



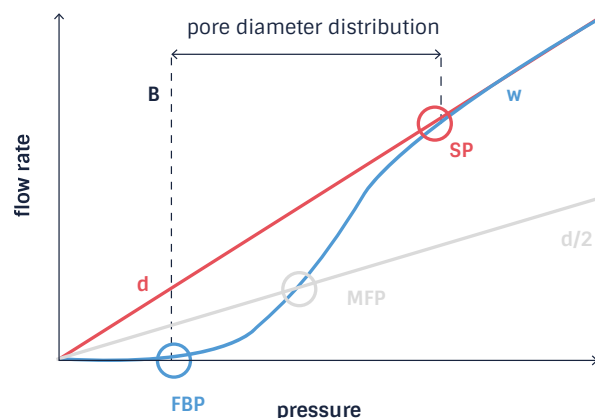
The POROLUX™ BP is a first bubble point tester, used to measure the largest pore size – often referred to as ‘first bubble point (FBP)’ – in media that are used for filtration and separation applications.

The ASTM F-316-03 standard defines the FBP as ‘the pressure at which the first continuous stream of gas bubbles is detected’. While this is based on visual detection, the POROLUX™ BP now offers a fully automated way to determine the first bubble point.

The first bubble point is especially important in applications, such as filtration, when certain solutes must be retained. The POROLUX™ BP offers quick, accurate and reproducible results on the measured and calculated first bubble point. This makes the instrument indispensable for quality control and/or R&D for many filtration and filter media manufacturers.

Key features

- Measurable first bubble point range from ca. 500 μm down to 0.13 μm ⁽¹⁾
- Standard pressure range from 0 to 5 bar (75 psi)
- Measured and calculated first bubble point
- 1 sample holder of 25 mm diameter for sample thicknesses up to 3 mm
- Touch screen control unit
- Automated first bubble point detection according to ASTM F-316-03 standard



Measuring curves and resulting parameters in Capillary Flow Porometry
 w = wet curve
 d = dry curve
 d/2 = half-dry curve
 FBP = largest pore
 MFP = mean flow pore
 SP = smallest pore



POROLUX™ BP technical specifications

POROLUX™ BP	
Measurement mode	Bubble point only
Max pressure	5 bar/75 psi
Min pore ⁽¹⁾	0.13 μm
Max pore ⁽¹⁾	300 μm
Max flow	150 ml/min
First bubble point	Measured & calculated
Dimensions (DxWxH)	350x400x350 mm
Weight	10 kg

(1) depending on the wetting liquid

About us

For more than 15 years, we have been manufacturing porometers of the highest quality and reliability. All of our porometers have been completely designed and built in-house, using the latest techniques and materials. This enabled us to create an installed base of hundreds of instruments around the world, both in R&D and quality control labs in corporations, universities and research centers.

Experts in porometry

Purchasing a porometer does not only mean acquiring a device, it also guarantees lifelong support and advice from our team of porometry experts. Measuring daily in our labs allows us to gain a lot of knowledge and insights in porometry. Knowledge we like to share with our customers by, amongst others, helping to find the right settings for the samples.

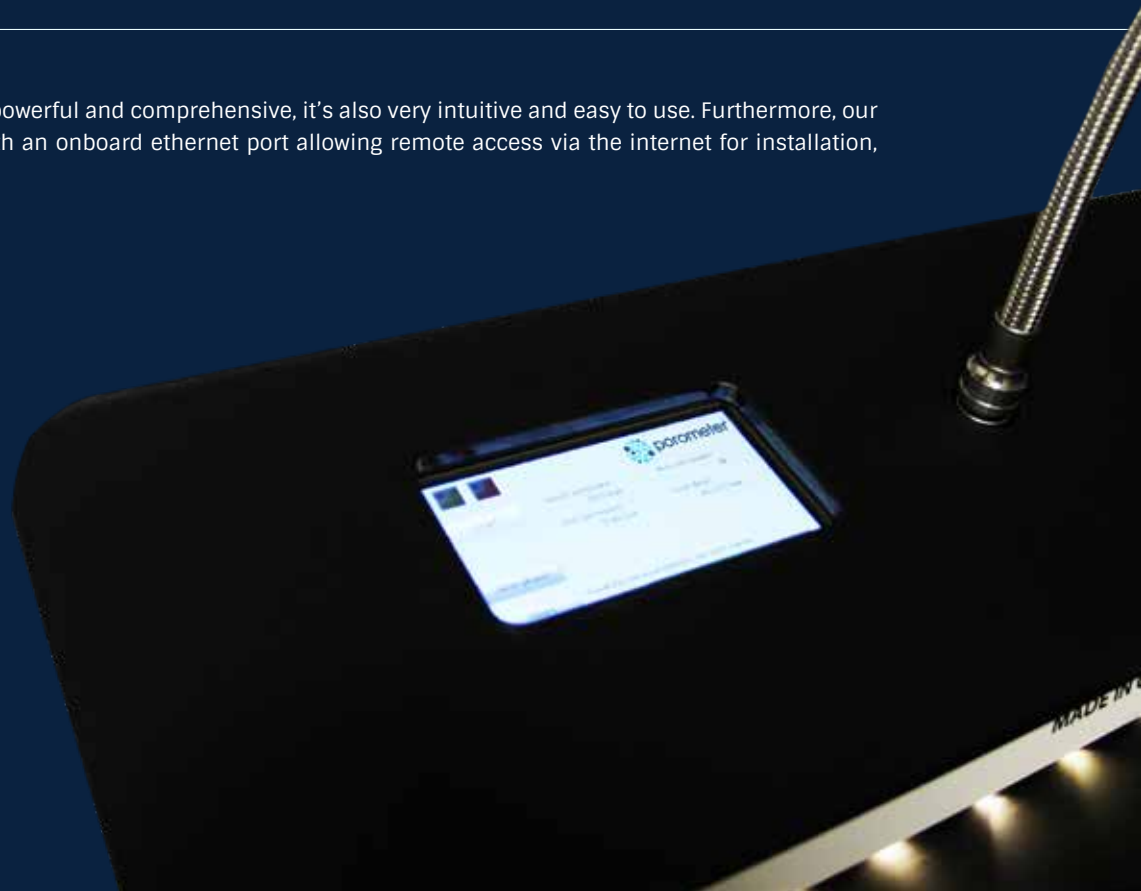
Wide range of solutions

As our porometer range covers all common capillary flow techniques – including gas liquid and liquid liquid porometers – and measurement methods (pressure scan and pressure step stability), we can offer the best porometer solution for any given application.

What's more, our porometer portfolio covers the widest possible pore size range: from 2 nm up to 500 µm. Potential clients that aren't sure which porometer is right for them, are welcome to have some samples analyzed free of charge by our specialized application labs.

Advanced software & connectivity

Even though our software is powerful and comprehensive, it's also very intuitive and easy to use. Furthermore, our porometers are equipped with an onboard ethernet port allowing remote access via the internet for installation, support, and diagnosis.



Global presence

Porometer has a global presence, with manufacturing sites, labs and offices in Europe, USA and China. Furthermore, we have an extensive network of highly trained distributors around the globe. This enables us to provide a first-class service anywhere in the world and to quickly follow up on any technical questions.

Part of Aptco Group

Our instruments are designed and manufactured in-house by our engineering and production department in Germany. Porometer is a brand of Aptco Technologies, a manufacturer of measurement instruments and testing equipment for academic and industrial quality control and research labs.

Aptco Technologies is part of Aptco Group, an international technology group of companies active in the distribution, manufacturing, servicing and calibration of scientific instruments and equipment for industrial, medical and academic laboratories.



Some of our customers



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