



POROLUX™ Cito series

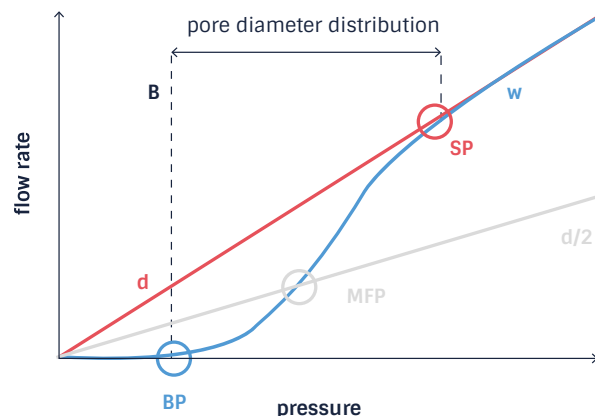


The POROLUX™ Cito L, Cito M and Cito are a series of gas liquid displacement porometers that determine pore sizes based on the pressure scan method. This is a fast and reproducible method where the pressure linearly increases, while the resulting flow rates are recorded simultaneously. This method is preferred for materials and applications where simplicity, speed and reproducibility are the main requirements.

The POROLUX™ Cito L and Cito M are typically used in R&D and quality control environments to characterize media with larger pores such as nonwovens and textiles. Thanks to its broader measurable pore size range, the POROLUX™ Cito is used to measure a wider variety of filtration and separation materials, such as membranes, both in R&D and quality control.

Key features

- Full flexibility with the highest accuracy in the whole pressure range
- Very fast and reproducible determination of the bubble point (largest pore according to ASTM F-316-03), mean flow pore size, smallest pore, pore size distribution, cumulative flow distribution & gas permeability
- Automatic switch for both pressure and flow sensors
- The POROLUX™ pressure scan series allow taking up to 400 real (measured) data points, resulting in the best possible resolution
- PoreSmart, our very intuitive and easy to use software, with unique features such as:
 - Re-evaluation button which allows to do a re-calculation on already performed tests
 - Built-in intelligence, e.g. algorithms for calculating bubble point, checking dry curve, wet/dry convergence, input pressure
 - Two-stage curve fitting (wet & dry curve and pore size distribution)
- Ethernet and USB connection, making remote access for installation, support and diagnosis via the internet possible.



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



POROLUX™ Cito series technical specifications

	POROLUX™ Cito L	POROLUX™ Cito M	POROLUX™ Cito
Technique	Gas-liquid porometry		
Measurement method	Pressure scan		
Max pressure	1.5 bar/22 psi	7 bar/100 psi	35 bar/500 psi
Min pore ⁽¹⁾	0.427 µm	0.091 µm	13 nm
Max pore ⁽¹⁾	500 µm		
Max flow	200l/min		
Bubble point	BP x-ml, BP pCF ^(*)		
Dimensions (DxWxH)	530x530x560 mm		
Weight	30 kg	30 kg	35 kg

(1) depending on the wetting liquid

(*) BP x-ml is the bubble point measured at a user-defined flow rate. BP pCF is the bubble point measured as a user-defined percentage of the cumulative flow.

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.

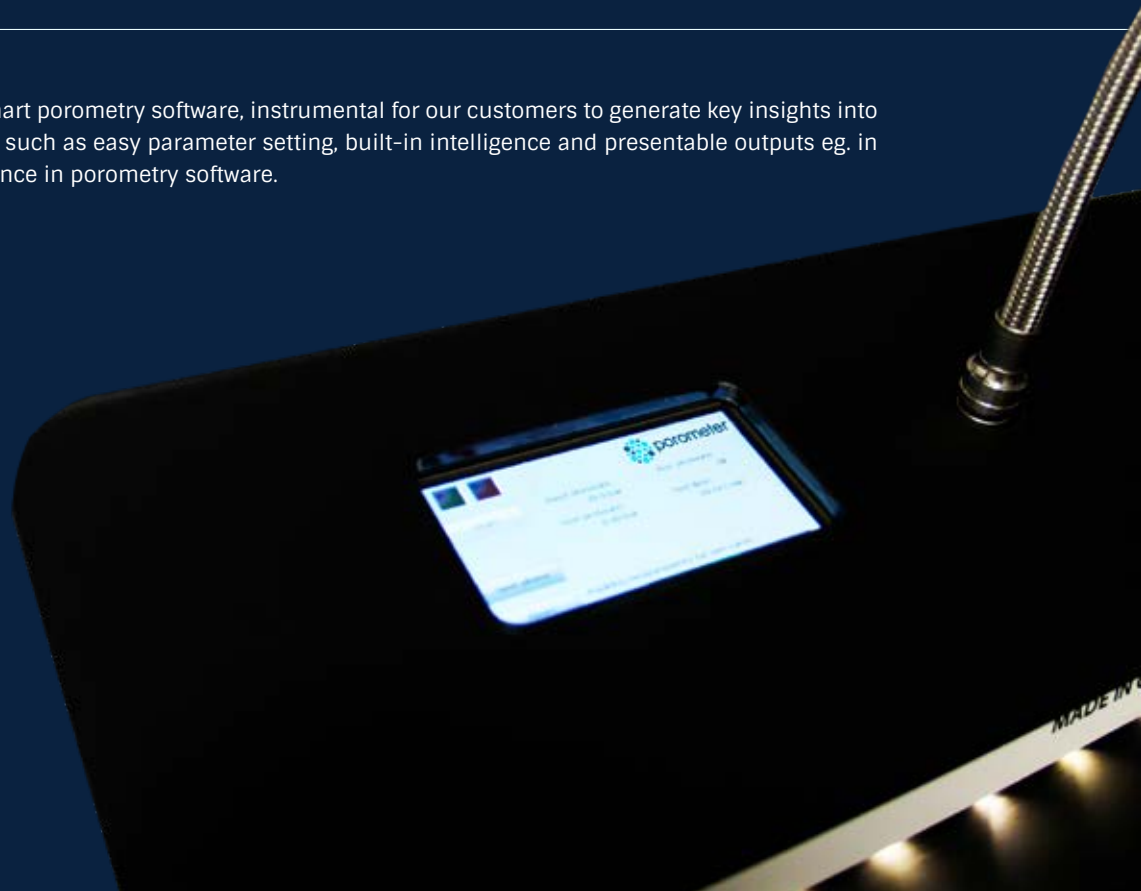
Wide range of solutions

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.

PoreSmart software

PoreSmart is synonym for smart porometry software, instrumental for our customers to generate key insights into their materials. With features such as easy parameter setting, built-in intelligence and presentable outputs eg. in Excel, PoreSmart is the reference in porometry software.



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.



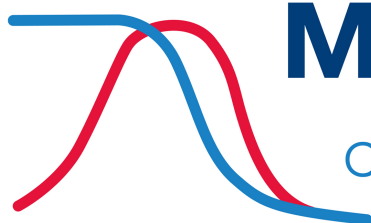
Part of Aptco Group

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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Specialists

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