

Phenom Inserts for filter samples

For Phenom XL Desktop SEM





Insert Filter 9x 25mm (1") diameter sample



Insert Filter 4x 47mm (1.85") diameter samples

Quick and easy

Filter and membrane samples, which are often used for filter residue analysis and asbestos analysis, must be mounted firmly and flat into the SEM system for correct analysis.

As filter and membrane is a delicate sample material, mounting these samples without the use of an insert can lead to folding and damaged samples. The use of traditional, often highly sticky, carbon tape prevents the sample from being re-used for future analysis.

By using the Phenom XL with a scan area of 100x100mm combined with the insert, samples can be analysed within one minute. Replacing and mounting the filter sample can be done easily. The 25mm insert uses a cover plate to secure the samples; the 47mm insert has ring weights for easy securing and covering the circumference of the filter and membrane.

Besides the opportunity to re-use the samples, the filter and membrane insert allows for easy X-ray (EDS) analysis thanks to the standardized working distance. This eliminates the need for the system operator to adjust system settings for each individual analysis.

Both inserts for filter and membranes can be used in the standard sample holder for the Phenom XL. The filter insert for the Phenom XL is available in two models that support 47mm (1.85") and 25mm (1") filters, which means the Phenom XL can accommodate the most common filter and membrane sizes.

Specifications		
Sample diameter	25 mm	47 mm
Sample capacity	<ul style="list-style-type: none"> • 9 filter or membranes 	<ul style="list-style-type: none"> • 4 filter or membranes
Clamping	<ul style="list-style-type: none"> • By cover plate 	<ul style="list-style-type: none"> • By 4 weight rings • Extra space for 3 x 12 mm reference sample
Phenom	XL with 100 x 100 mm scan	XL with 100 x 100 mm scan
Sample Holder		Standard Manual Sample Holder
Material	Aluminum	Aluminum
Include tooling	<ul style="list-style-type: none"> • Torx 10 key for cover plate 	<ul style="list-style-type: none"> • 4 Messing weight rings • Allen key for reference sample

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