

Testing Apparatus PA-SW



Technical specifications:

Components of apparatus:

- Measuring device
- Holding table with sample holder and filter
- Holding element for ring-shaped and flat samples
- Holding vessel for cylindrical samples and loose fibrous material
- Ejector for samples

Rated voltage: 230 V AC
50/60 Hz

Rated consumption: 15 W

Dimensions (W x H x D):
ca. 600 mm x 550 mm x 600 mm

Measuring ranges:

Differential pressure: ± 20 Pa

Accuracy of display device: 0.01 Pa

Flow through: 6 ... 60 l/h

- Adjustable by means of valve with micro-metering

Sample geometry:

Cylindrical samples:

Thickness: 0 ... 250 mm

Diameter: 100 mm

Flat samples:

Thickness: 0 ... 100 mm

Ring-shaped samples:

Thickness: 0 ... 100 mm

Interior \varnothing : 100 mm

External \varnothing : 150 mm

Signal output diff. pressure:

0 ... 2V DC

Options: Parameters of the apparatus are adaptable for customer's order (for example various sample holdings)

Brief description:

- For determination of airflow resistance from materials for acoustical applications, insulating building materials and other porous materials according to EN 29053
- Precise determination of airflow resistance, using method A, EN 29053
- Possibility for exact adjustment of a laminar airflow without pulsating in a range $< 0,5 \times 10^{-3}$ m/s
- High accurate measuring of differential pressure in a range $< 0,1$ Pa
- Holding vessels and fixtures for various testing samples, like panels, loose fibrous materials, porous foils, cylindrical and ring-shaped testing samples

Special options:

- In addition to the sample holder for cylindrical samples $\varnothing 100$ mm the sample holder for cuboid samples 100 mm x 100 mm (up to a sample thickness of 300 mm) is available.
- For high precision requirements for flow measurement a version with a digital flow controller is available.

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