

# TECHNICAL DATA

## Wöhler DP 700 Leakage Tester



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### Intended uses

The Wöhler DP 700 leakage tester is designed to verify the airtightness of duct systems and single components, but can also be used to test other enclosures (air conditioning units, climate chambers, electrical cabinets, furnaces, etc.). It is especially designed for leakage tests according to DIN EN 12599 - Test procedures and measurement methods to hand over air conditioning and ventilation systems according to DIN EN 14134 - Performance testing and installation checks of residential ventilation systems. The tightness is valued according to the tightness classes of DIN EN 16798-3, DIN EN 13779 (identical to DIN EN 12237, 1507, 15727, 13403, 1751, 13180). The Wöhler DP 700 can be used to measure positive and negative pressure. The Wöhler DP 700 is not approved for continuous use for long periods in an attempt to locate leakages. Do not use the meter for any other use than set out in this manual.

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### Applications and functionality

- Leak testing of air ducts/channels up to 100 m<sup>2</sup> with a large air leakage range
- Leak testing of components such as air conditioning units, switch cabinets, climate control cabinets, heat exchangers, ship cabins, cabinets in clean room technology, and other containments
- On-site and laboratory measurements on components (e.g., OSB boards, windows)
- Can be integrated into the final inspection in series production with optional Remote Control program (control via USB connection from a PC)

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### Scope of delivery in the basic version

- Wöhler DP 700 Leakage Tester
- Air hose 3.75 m
- Air hose 4 m – for adapter
- Pressure hose 10 m
- calibration certificate
- power cable 2.5 m
- adapter 0.3
- 2 brass nipples
- hose connection for negative pressure
- filter pad
- silicone grease
- 2 transport cases

**Technical Data**

Pressure	Measurement principle	Piezoresistive semiconductor sensor
	Range	±7000 Pa
	Resolution	0.1 Pa to ±900 Pa, then 1 Pa
	Accuracy	± 0.5 Pa or ± 2.5 % of the test value whichever is greater
Flow rate measurement (based on 1013 hPa and 20 °C)	Measurement principle	Hot film anemometer
	Range 230 V, 50 HZ 110 V, 60 HZ	0.0000 to 55.00 l/s 0.0000 to 40.00 l/s
	Resolution	0.0001 l/s to 0.3000 l/s, 0.001 l/s to 3.000 l/s, 0.01 l/s > 3.00 l/s
	Accuracy	± 0.0009 l/s or ± 5 % of the test value, whichever is higher
	Maximum differential pressure	± 5000 Pa
Measuring range of adapter	Adapter 0,3	< 0.3000 l/s
	Without Adapter	0.30 to 55.00 l/s
General technical data	Power supply	230 V, 50 to 60 Hz 110 V, 60 HZ with reduced flow rate (40 l/s)
	Current consumption	max. 9 A
	Operating Temperature	5 °C to 40 °C
	Storage Temperature	-20 °C to +50 °C
	Size	33 x 36 x 15 cm
	Weight (without accessories)	9.5 kg