

We test, You produce.

PRIMUS

DIFFERENTIAL LEAK TESTER

The ATEQ Primus in its compact format is the easiest leak tester to operate and integrate into manufacturing operations. Its comprehensive specifications, including ATEQ's latest developments in pressure decay technology and user-friendly interface, make it an extremely versatile instrument.

Highlights

- USER FRIENDLY
- FULLY BACKWARDS COMPATIBLE
- SMALL AND COMPACT
- LARGE MEMORY FOR STORAGE



PRIMUS F

DIFFERENTIAL LEAK TESTER

Test Pressure Measurement

RANGE	ACCURACY
P. E. = 75 mbar	±(1.5% of the pressure + 0.2 hPa)
P. E. < 0.3 bar	±(1.5% of the pressure + 1 hPa)
0.3 < P. E. = 1 bar	±(1.5% of the pressure + 3 hPa)
1 < P. E. = 5 bar	±(1.5% of the pressure + 7.5 hPa)
5 < P. E. = 10 bar	±(1.5% of the pressure + 15 hPa)
10 < P. E. = 20 bar	±(1.5% of the pressure + 30 hPa)

Pressure Drop Measurement

RANGE	ACCURACY
0–50 Pa	±(2% of the pressure + 0.5 Pa)
0–500 Pa	±(2.5% of the pressure + 1 Pa)
0–5,000 Pa	±(2.5% of the pressure + 10 Pa)

Pressure Ranges
Vacuum → 2,000 kPa

Main Features

- Differential pressure decay leak measurement
- Large ranges of leak measurement: (ΔP) F.S.: 50 Pa to 5,000 Pa
- 128 programs
- Set up online (via USB port)
- 2 languages (English standard + choose one more)
- Manual calibration check on front panel with calibrated leak

Test Modes:

- ΔP (Pa, 1/10 Pa)
- ΔP/t (Pa/s, 1/10 Pa/s)
- Flow units (mm³/s, cm³/s, cm³/min, cm³/h)
- Blockage test
- and more, depending on the application

Flexible Communication Format:

- RS232: Printer/Barcode reader
- Slave USB: Supervision
- Master USB: USB key to transfer (parameters, results, curves, statistics..)
- Optional: Profibus, Devicenet, Profinet, Ethernet IP

Technical Specifications

Physical

Weight: Approximately 9 lbs
Dimensions (WxHxD): 9.8" x 5.4" x 14.5"

Electrical supply

Voltage: 90-260 V AC / 1.6 A

Air supply

Clean and dry air required - Air quality standard to be applied (ISO 8573-1)

Temperature

Operating: 50°F to 113°F
Storage: 32°F to 140°F

Accessories

- Remote Control
- Y valve
- ATEQ software (WinAteq 300)
- Leak Flow calibrator
- Connectors
- Calibrated leak orifices



CONNECTORS

Options

- 9 inputs / 5 outputs
- Electronic regulator
- Dual pressure
- Automatic calibration check
- 2 pneumatic outputs for control of sealing connectors
- 6 x 24 V programmable outputs for external automation



CALIBRATED LEAK ORIFICES

Case Options

Rack mountable industrial case (F670)



Water resistant industrial case (Nema, F610)



ATEQ

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