F620

DIFFERENTIAL PRESSURE DECAY LEAK TESTER
FOR INDUSTRIAL QUALITY CONTROL

After more than 40 years and 150,000 testers installed for more than 5,000 customers worldwide, ATEQ presents its revolutionary leak tester: the F620.

The F620 has a new electronic module, new measurement module, new interface, and new accessories to guarantee you the fastest and most accurate leak testing cycle on the market.

Highlights

→ **LARGE COLOR DISPLAY**
→ **MAXIMUM PERFORMANCE**
→ **MULTIPLE COMMUNICATIONS**

Applications

Automotive, domestic appliances, medical, aeronautic, defense, fluid and electrical components, food and cosmetic packaging

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Measurement Characteristics

PRESSURE DROP MEASUREMENT		
Range	Accuracy up to*	Max. resolution
50Pa	±(1.0% Reading + 0.5 Pa)	0.1 Pa
500Pa	±(0.5% Reading + 0.5 Pa)	0.1 Pa
5000Pa	±(0.5% Reading + 5 Pa)	1 Pa

Accuracy: linearity + repeatability + hysteresis
*Optional laboratory accuracy

Main Features

- Differential pressure decay leak measurement
- Large range of leak measurement (ΔP) F.S.: 50 Pa, 500 Pa or 5000 Pa
- Mechanical or electronic regulator from vacuum to 10 bar
- 128 programs
- Online setup (via USB)
- 2 languages (English + one other)
- Manual calibration on front panel with calibrated leak
- Data storage on internal memory or USB key

Environment

ROHS standard

Test Modes

- ΔP (Pa, 1/10 Pa)
- ΔP/t (Pa/s, 1/10 Pa/s)
- Flow units (sccm, mm3/s, cm3/s, cm3/min, cm3/h...)
- Blockage test
- Burst test
- Sealed components test
- and more

Flexible Communication Format

- RS232: printer, modbus RTU
- Slave USB: PC supervision (WinAteq 300, sesame)
- Master USB: USB key to transfer (parameters, results)
- Optional Fieldbus: profibus, devicenet, profinet, Ethernet/IP

Technical Specifications

Physical Physical Weight: 7 Kg
Dimensions: (WxHxD) 250x150x360 mm

Interface Graphic color screen with simple and intuitive menu-driven operator controls
SMART KEY: programmable key with user's functions

Electrical Supply 24VDC/2A or 100-240 V AC/50W

Air Supply Command 4/6 bar
Pressure 1 or 2 bar > test pressure
Clean and dry air
Air quality standard to be applied (ISO 8573-1)

Temperature Operating: + 5°C at + 45°C
Storage: 0°C at + 60°C

Options

- 9 inputs / 5 local outputs compatible with 5 series instruments
- 6 inputs/ 6 outputs 24 V programmable for external automation
- Electronic regulator
- Dual pressure
- Automatic calibration check
- 2 pneumatic outputs for control of sealing connectors
- Memory card for archiving results (1 million)

Accessories

- Simple remote control TLC60 connection I/O
- Advanced remote control TLC600 connection master USB
- USB key for parameters access
- Y valve
- WinAteq 300 software
- Master leak
- Leak calibrator
- Connectors

Remote Control

F610 WATERPROOF CASE

F670 CASE 19"3U

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