F610

LEAK TEST INSTRUMENT - WATERPROOF CASE FOR INDUSTRIAL QUALITY CONTROL

After 40 years, and 150,000 testers installed in more than 5,000 customers worldwide, ATEQ presents its revolutionary leak tester: F610.

This instrument is particularly suitable for polluted workplaces (dust, oil, etc.)

New electronic module, new measurement module, new interface, new accessories... All has been made to improve your quality control.

Inside is the latest leak testing technology that will guarantee you the fastest and most accurate leak testing cycle on the market.

Highlights

→ LARGE COLOR DISPLAY
→ MAXIMUM PERFORMANCE
→ MULTIPLE COMMUNICATION
→ IP55

Applications

Automotive, domestic appliances, Medical, aeronautic, defense, Fluid and electrical Components, food and cosmetic packaging...

ATEQ

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Measurement Characteristics

PRESSURE DROP MEASUREMENT		
Range	Accuracy up to*	Max. resolution
50Pa	±(1.5% 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.
  Use in pressure and vacuum
- Large range of leak measurement (ΔP) F.S. : 50 Pa, 500 Pa or 5000 Pa
- Mechanical or electronic regulator from vacuum to 20 bar
- 128 programs
- Setting on line (via USB)
- 2 languages (English + other one)
- Manual calibration on front panel with calibrated leak
- Data storage on internal memory or USB key

Environment

Normes ROHS

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 others, depending on your applications

Flexible Communication Format

- RS232: printer, modbus RTU
- Slave USB: PC supervision (WinAteq 300, sesame)
- Master USB: USB key to transfert (parameters, results, ...)
- Option Fieldbus: profibus, devicenet, profinet, Ethernet/I

Technical Specifications

Physical	Weight: 10 Kg Dimensions : (WxHxD) 380 x 287 x 120 mm
Interface	Graphic color screen with simple and intuitive menu-driven operator controls SMART KEY: programmable key with user's functions
Electrical supply	24 V DC/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 to +45°C Storage: 0°C to +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 millions)

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
- Leak calibrator
- Master leak
- Connectors...

TLC 60
Remote control

TLC 600
Remote control

OTHER FORMATS

F670 19"3U case

F620 Compact case