

# We test, You produce

## F5800

### COMPACT LEAK TESTER

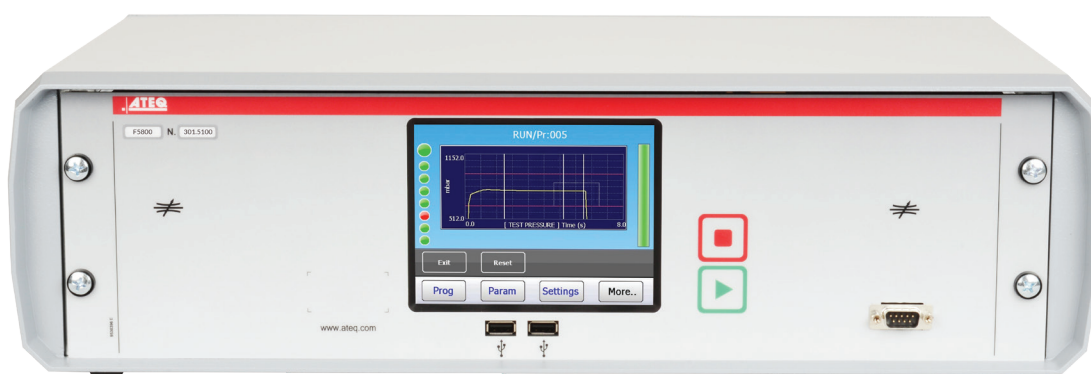
### FOR INDUSTRIAL QUALITY CONTROL

The ATEQ F5800 in its industrial format (19" 3U) is the easiest leak detector to operate and integrate into manufacturing operations. Its comprehensive specifications, including ATEQ's latest developments in pressure decay technology, make it an extremely versatile instrument.

The F5800 offers a touchscreen graphical interface to combine great functionality with simplicity of use with simple and intuitive menu-driven operator controls.

#### BENEFITS

- COLOR, TOUCHSCREEN INTERFACE
- MAXIMUM PERFORMANCE
- ADVANCED TECHNOLOGY



#### Applications



##### **AUTOMOTIVE**

Shock absorbers, gearboxes, tank caps, carburetors, non return valves, cylinder heads, filters, radiators, seals, cylinders, engine oil and water circuits...



##### **DOMESTIC APPLIANCES**

Bottles, percolators, cookers, steam irons, ovens, washing machines...



##### **MEDICAL**

Catheters, dialysis equipment, micropipettes, plastic taps, drain bags, syringes, valves...



##### **PACKAGING**

aerosol cans and valves, trigger pumps, ink cartridges, cosmetic bottles, food sachets...



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### FOR INDUSTRIAL QUALITY CONTROL

#### Measurement ranges

| TEST PRESSURE MEASUREMENT                                                                              |                            |                        |
|--------------------------------------------------------------------------------------------------------|----------------------------|------------------------|
| Range                                                                                                  | Accuracy*                  | Max. resolution        |
| F.S. = 75 mbar*                                                                                        | +(1.5% of the P + 0.2 hPa) | 0.1% of the full scale |
| F.S. < 0.3 bar                                                                                         | ±(1.5% of the P + 1 hPa)   |                        |
| 0.3 ≤ F.S. ≤ 1 bar                                                                                     | ±(1.5% of the P + 3 hPa)   |                        |
| 1 < F.S. ≤ 5 bar                                                                                       | ±(1.5% of the P + 7.5 hPa) |                        |
| 5 < F.S. ≤ 10 bar                                                                                      | ±(1.5% of the P + 15 hPa)  |                        |
| 10 < F.S. ≤ 20 bar                                                                                     | ±(1.5% of the P + 30 hPa)  |                        |
| PRESSURE DROP MEASUREMENT                                                                              |                            |                        |
| Range                                                                                                  | Accuracy*                  | Max. resolution        |
| 0 - 50 Pa                                                                                              | ± (2% of the P + 0.5 Pa)   | 0.01 Pa                |
| 0 - 500 Pa                                                                                             | ± (2.5% of the P + 1 Pa)   | 0.1 Pa                 |
| 0 - 5000 Pa                                                                                            | ± (2.5% of the P + 10 Pa)  | 1 Pa                   |
| ELECTRONIC PRESSURE REGULATION (1 or 2)                                                                |                            |                        |
| Vaccum / 1-10 kPa / 5-50 kPa / 20-200 kPa / 50-500 kPa /<br>100-1000 kPa / 100-1600 kPa / 100-2000 kPa |                            |                        |

\* Specific (relative) : F.S. = Full Scale : P = Pressure

#### Main features

- Differential pressure decay leak measurement
- Large ranges of leak measurement (ΔP) F.S. : 50 Pa, 500 Pa ou 5000 Pa
- 32 programs
- Set-up on-line (via USB port)
- 2 languages (English + other one)
- Manual calibration on front panel with calibrated leak

#### Environnement

- ROHS standard

#### Test modes

- ΔP (Pa)
- ΔP/t (Pa/sec)
- Flow units (mm³/s, cm³/s, cm³/min, cm³/h)
- Blockage test
- and others, depending on your applications

#### Flexible communication format

- RS232: Printer / Bar code reader
- Slave USB: Supervision
- Master USB: USB transfer key (parameters, results, curves, statistics...)
- Ethernet: email alert / Modbus IP
- Option: profibus, devicenet

#### Technical specifications

|                   |                                                                               |
|-------------------|-------------------------------------------------------------------------------|
| Physical          | Weight: 15 Kg<br>Dimensions: (WxHxD) 537x381x157 mm                           |
| Interface         | Graphic touchscreen with simple and intuitive menu-driven operator controls   |
| Electrical supply | 90 - 260 V AC / 1.6 A                                                         |
| Air supply        | Clean and dry air required<br>Air quality standard to be applied (ISO 8573-1) |
| Temperature       | Operating: + 5°C to + 45°C<br>Storage: 0°C to + 60°C                          |

#### Options

- 7 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

#### Accessories

- Remote Control
- Y valve
- Ateq software (WinAteq)
- Leak Flow calibrator
- Connectors



Connectors



CDF 60  
Leak/Flow Calibrator

