

# F5800

## Leak Tester



*The ATEQ **F5800** in its 19" format is easy to integrate into semi- or fully automated test stations. Its comprehensive specifications, including ATEQ's latest developments in pressure decay technology, make it an extremely versatile instrument.*

**ATEQ**  
www.ateq.com

ISO 9001  
BUREAU VERITAS  
Certification



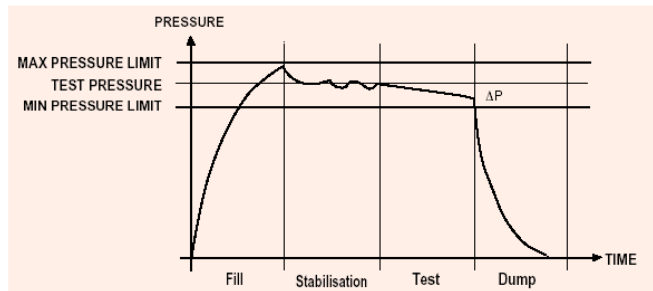
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# Measurement Ranges

## TEST PRESSURE MEASUREMENT

Ranges	Accuracy
<i>Pressure</i>	
PE = 75 mbar*	+/- (1,5% of P + 0.2 hPa)
PE < 0,3 bar	+/- (1,5% of P + 1 hPa)
0,3 ≤ PE ≤ 1 bar	+/- (1,5% of P + 3 hPa)
1 < PE ≤ 5 bar	+/- (1,5% of P + 7.5 hPa)
5 < PE ≤ 10 bar	+/- (1,5% of P + 15 hPa)
10 < PE ≤ 20 bar	+/- (1,5% of P + 30 hPa)

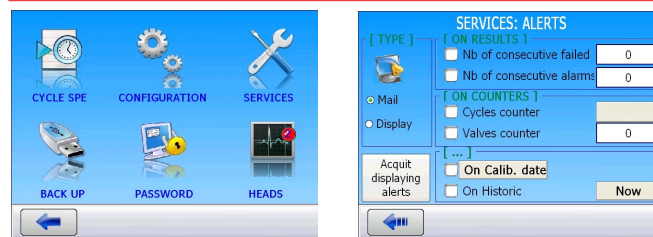
\* Specific (relative)



**ELECTRONIC PRESSURE REGULATION (1 or 2)**  
 Vacuum / 1 - 10 kPa / 5 - 50 kPa / 20 - 200 kPa / 50 - 500 kPa /  
 100 - 1 000 kPa / 100 - 1 600 kPa / 100 - 2000 kPa

## PRESSURE DROP MEASUREMENT

Ranges	Accuracy
50 / 500 Pa	+/- (2.5% de P + 1 Pa)
5000 Pa	+/- (2.5% de P + 10 Pa)



## Main Features

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

- Test modes:
  - ΔP (Pa, 1/10 Pa)
  - ΔP / t (Pa/s, 1/10 Pa/s)
  - Flow units (mm<sup>3</sup>/s, cm<sup>3</sup>/s, cm<sup>3</sup>/min, cm<sup>3</sup>/h)
  - Blockage test
  - and others, depending on your applications

- **Flexible communication format:**  
 RS232 : printer / Bar code reader  
 Slave USB: supervision  
 Master USB: USB key to tranfert (parameters, results, curves, statistics...)  
 Ethernet: email alert/ Modbus IP  
 Option: profibus, devicenet

### Applications:

**Automotive:** shock absorbers, gearboxes, tank caps, carburettors, 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...

## Technical specifications

- **Physical**  
 Weight: 15 Kg  
 Dimensions: (WxHxD)  
 537 x 381 x 157 mm

- **Interface**  
 Graphic Touch screen with simple and intuitive menu-driven operator controls.

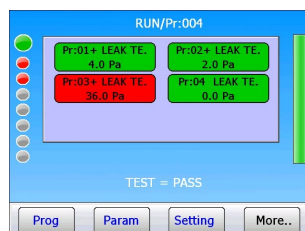
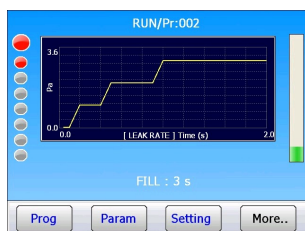
- **Electrical supply**  
 90 - 260 V AC / 1.6 A

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

- **Temperature**  
 Operating: + 0°C to + 45°C  
 Storage: 0°C to + 60°C

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

- **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



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