

# F5200

## Compact Leak Tester



*The ATEQ **F5200** in its compact format is the easiest leak detectors 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.*

**ATEQ**  
www.ateq.com



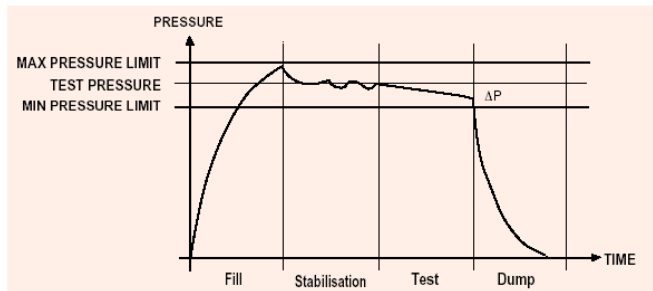
# Measurement Ranges

## TEST PRESSURE MEASUREMENT

RANGE	ACCURACY
P. E. = 75 mbar	$\pm(1.5\% \text{ of the pressure} + 0,2 \text{ hPa})$
P. E. < 0,3 bar	$\pm (1.5\% \text{ of the pressure} + 1 \text{ hPa})$
$0,3 \leq P. E. \leq 1 \text{ bar}$	$\pm (1.5\% \text{ of the pressure} + 3 \text{ hPa})$
$1 < P. E. \leq 5 \text{ bar}$	$\pm (1.5\% \text{ of the pressure} + 7.5 \text{ hPa})$
$5 < P. E. \leq 10 \text{ bar}$	$\pm (1.5\% \text{ of the pressure} + 15 \text{ hPa})$
$10 < P. E. \leq 20 \text{ bar}$	$\pm(1.5\% \text{ of the pressure} + 30 \text{ hPa})$

## PRESSURE DROP MEASUREMENT

RANGE	ACCURACY
0 – 50 Pa	$\pm (2\% \text{ of the pressure} + 0.5 \text{ Pa})$
0 – 500 Pa	$\pm (2.5\% \text{ of the pressure} + 1 \text{ Pa})$
0 – 5000 Pa	$\pm (2.5\% \text{ of the pressure} + 10 \text{ Pa})$



**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



## Main Features

- Differential pressure decay leak measurement
- Large ranges of leak measurement ( $\Delta P$ ) 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:
  - $\Delta P$  (Pa, 1/10 Pa)
  - $\Delta P / t$  (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: 4 Kg  
 Dimensions: (WxHxD)  
 250x136x367 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

