



# F510

## Compact leak detector for production testing



- ✓ NEW COMPACT FORMAT
- ✓ IP RATING: IP54
- ✓ OPTIMISED MEASUREMENT
- ✓ EASY SET-UP
- ✓ HIGH SPECIFICATIONS - COMPETITIVELY PRICED

### 5 SERIES

Particularly suitable for polluted workplaces (dust, oil etc.) the F510 is, undoubtedly, the smallest high performance leak detector on the market.

Specially adapted for automatic or semi-automatic test machines, the F510 has a full range of specifications at a very competitive price.

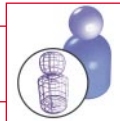


### Main Features

- Differential pressure decay leak measurement
- 2 ranges of leak measurement ( $\Delta P$ ) Full scale: 50 Pa or 500 Pa
- Test modes:
  - $\Delta P$  (Pa,  $1/10$  Pa)
  - $\Delta P / \Delta t$  (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
- New, faster system to fill parts
- Manual calibration on front panel with calibrated leak
- 16 programs
- **Serial links:**
  - RS232:** printer, bar code reader, P.C. and parameter storage module
  - RS232:** intelligent remote control
  - RS485:** ATEQ network
  - Infrared**
- 7 inputs / 5 outputs
- Time and date display, choice of languages and units, customisation of tests for your requirements



### 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...

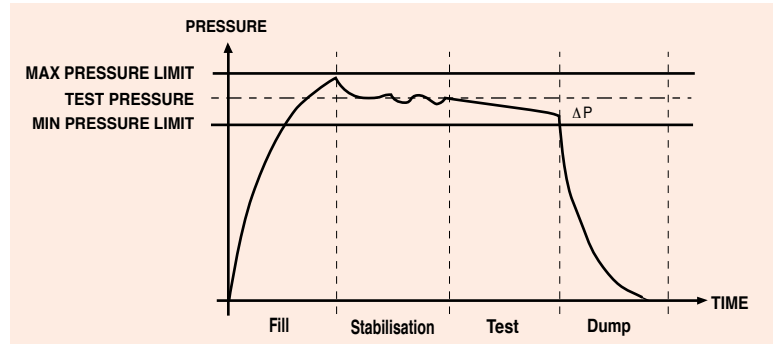
### Options

- Electronic regulator
- High speed valve
- 2 pneumatic outputs for control of sealing connectors
- 6 x 24 V programmable outputs for external connection
- 2 analogue outputs: 0 - 10 V or 4 - 20 mA
- Automatic calibration check
- Temperature compensation

## Principle of Measurement



Configuration and results storage modules (accessories)

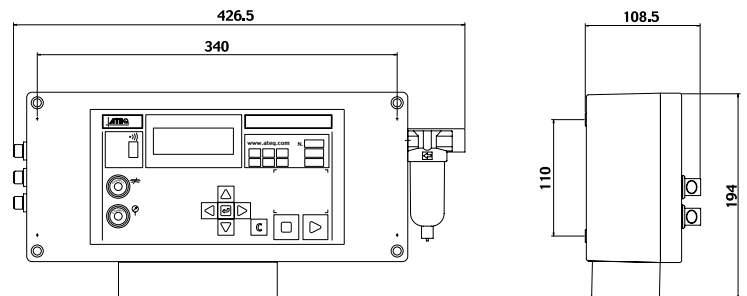


## Measurement Ranges

ΔP MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
0 - 50 Pa	± 1% of Full scale	0.01 Pa
0 - 500 Pa	± 1% of Full scale	0.1 Pa

PRESSURE MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
All ranges	± 1% of Full scale	0.1% of Full Scale

PRESSURE REGULATION (mechanical or electronic)		
Vacuum / 1-10 kPa / 5-50 kPa / 20-200 kPa / 20-400 kPa / 50-500 kPa 50-900 kPa / 100-1000 kPa / 100-1600 kPa / 100-2000 kPa.		



## Technical Specifications

- **Physical**  
Weight: approximately 4 kg
- **Interface**  
Navigation keys  
4-line LCD display  
Results indicator lights
- **Power supply**  
Voltage: 24 V DC / 1.6 A  
Mains adapter included (110 - 240 V AC)
- **Air supply**  
Clean and dry air required  
Air quality standard to be applied (ISO 8573-1)
- **Temperature**  
Operating : + 10°C to + 45°C  
Storage : 0°C to + 60°C

### Accessories

Start/Reset remote control  
Intelligent remote control  
Bar code reader  
Printer  
Storage modules  
ATEQ software  
Needle valve  
Calibrated leak  
Filtration kit  
Vacuum pump  
Sealing connectors  
*Please refer to ATEQ accessories list*



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