



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.

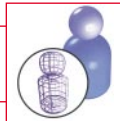


Main Features

- Differential pressure decay leak measurement
- 2 ranges of leak measurement (ΔP)
Full scale: 50 Pa or 500 Pa
- Test modes:
 - ΔP (Pa, $1/10$ Pa)
 - $\Delta P / \Delta t$ (Pa/s, $1/10$ Pa/s)
 - Flow units (mm³/s, cm³/s, cm³/min, cm³/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...

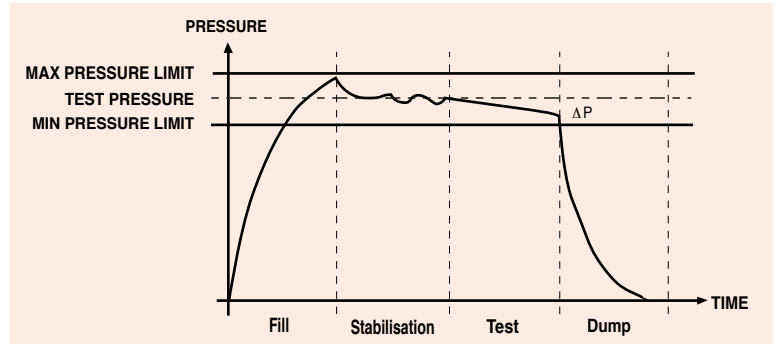
Options

- 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)

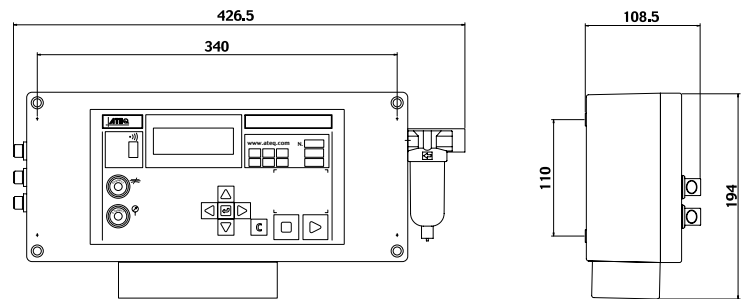


Measurement Ranges

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