



F520

Compact leak detector for production testing



- ✓ **NEW COMPACT FORMAT**
(1/2 19")
- ✓ **OPTIMISED MEASUREMENT**
- ✓ **EASY SET-UP**
- ✓ **HIGH SPECIFICATIONS -
COMPETITIVELY PRICED**

5 SERIES

Without any doubt the smallest high-performance leak detector on the market.

Specially adapted for automatic or semi-automatic test machines, the F520 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
 - $\Delta P / \Delta t$
 - Flow units
 - 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: switch, LFC, P.C...
- 7 inputs / 5 outputs
- Time and date display, choice of languages and units, customisation of tests for your requirements, automatic measurement cycle...



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...

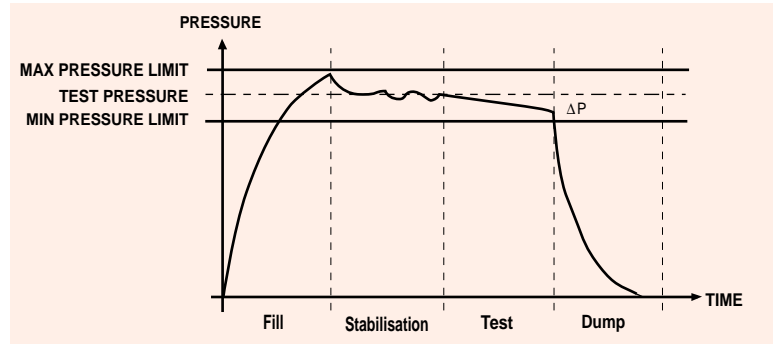
Medical: catheters, dialysis equipment, micropipettes, plastic taps, drain bags, syringes, valves...

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

Options

- Electronic regulator
- Dual pressure
- 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



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

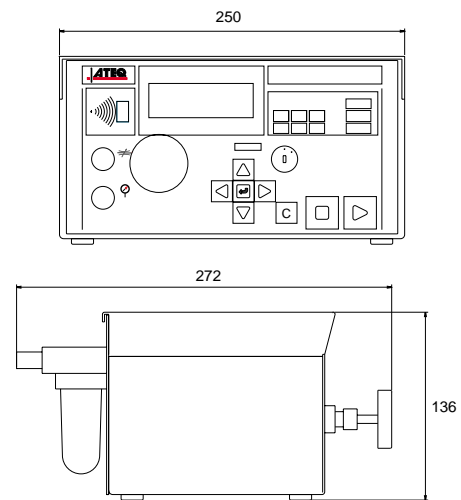
PRESSURE MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
All ranges	± 1% of full scale	0.1% of full scale

MECHANICAL PRESSURE REGULATION

Vacuum / 5 - 50 kPa / 20 - 400 kPa / 50 - 900 kPa

ELECTRONIC PRESSURE REGULATION

Vacuum / 1 - 10 kPa / 5 - 50 kPa / 20 - 200 kPa / 50 - 500 kPa / 100 - 1 000 kPa / 100 - 1 600 kPa / 100 - 2 000 kPa



Technical Specifications

Physical

Weight: approximately 4 kg

Interface

Navigation keys
4-line LCD display
Results indicator lights

External electrical 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
Infrared switch
Parameter storage module
ATEQ software
Modem
Needle valve
Calibrated leak
Filtration kit
Vacuum pump
Sealing connectors
Please refer to ATEQ accessories list



Head Office:

15, rue des Dames - ZI des Dames - 78340 Les Clayes-Sous-Bois - France
(: + 33 (0)1 30 80 10 20 - Fax : + 33 (0)1 30 54 11 00 - e-mail : info@ateq.com
www.ateq.com