

We test, You produce

F520

COMPACT LEAK DETECTOR FOR PRODUCTION TESTING

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.

Highlights

- COMPACT FORMAT
- OPTIMISED MEASUREMENT
- EASY SET-UP
- HIGH SPECIFICATIONS
COMPETITIVELY PRICED



Applications



AUTOMOTIVE

Shock absorbers, gearboxes, tank caps, carburettors, non return valves, cylinders, engine oil and water circuits...



DOMESTICS APPLIANCES

Bottles, percolators, cookers, steam irons, ovens, washing machines...



MEDICAL

Catheters, dialysis equipment, micropipettes, plastic taps, drain bags, syringues, valves...



PACKAGING

Aerosol cans and valves, trigger pumps, ink cartridges, cosmetics bottles, food sachets...



F520

COMPACT LEAK DETECTOR

FOR PRODUCTION TESTING

Measurement Ranges

TEST PRESSURE MEASUREMENT	
RANGE	ACCURACY
F.S. = 75 mbar	± (1.5% of the pressure + 0.2 hPa)
F.S. < 0.3 bar	± (1.5% of the pressure + 1 hPa)
0.3 ≤ F.S. ≤ 1 bar	± (1.5% of the pressure + 3 hPa)
1 < F.S. ≤ 5 bar	± (1.5% of the pressure + 7.5 hPa)
5 < F.S. ≤ 10 bar	± (1.5% of the pressure + 15 hPa)
10 < F.S. ≤ 20 bar	± (1.5% of the pressure + 30 hPa)
PRESSURE DROP MEASUREMENT	
RANGE	ACCURACY
0 - 50 Pa	± (2% of the pressure + 0.5 Pa)
0 - 500 Pa	± (2.5% of the pressure + 1 Pa)
0 - 5000 Pa	± (2.5% of the pressure + 10 Pa)
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 1000 kPa / 100 - 1600 kPa / 100 - 2000 kPa	

Main Features

- Differential pressure decay leak measurement
- Ranges of leak measurement (ΔP)
Full scale : 50 Pa - 500 Pa - 5000 Pa
- New, faster system to fill parts
- Manual calibration on front panel with calibrated leak
- 32 programs

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 application

FLEXIBLE COMMUNICATION FORMAT

- RS232 : printer, bar code reader, P.C and parameter storage module
- RS485 : ATEQ network

and: Time and date display, choice of languages and units, customisation of tests for your requirements, automatic measurement cycle...

Technical Specifications

Physical	Weight: approximately 7 kg
Interface	Navigation keys 4-line LCD display Results indicator lights
External electrical supply	Voltage: 24 V DC / 1.6 A Mains adapter included (110-230 V AC)
Air supply	Clean and dry air required Air quality standard to be applied (ISO 8573-1)
Temperature	Operating: 0°C à +45°C Storage: 0°C à +60°C

Options

- 7 inputs / 5 local outputs
- Electronic regulator
- Dual pressure
- High speed valve
- 2 pneumatic output 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
- Modbus
- Fieldbus (Profinet, Devicenet, Profibus)

Accessories

- Remote control
 - Bar code reader
 - Printer
 - Parameter storage module
 - ATEQ software (WINATEQ, S5 DEMO)
 - Needle valve
 - Calibrated leak
 - Filtration kit
 - Vacuum pump
 - Sealing connectors
- Please refer to ATEQ accessories list

→ OTHERS FORMATS
F510 waterproof case



F570 19" 3U case



ATEQ

