



# F535

## Leak detector for manual test benches



Picture showing F535 including optional operator interface panel

- ✓ NEW PRACTICAL FORMAT
- ✓ OPTIMISED MEASUREMENT
- ✓ DESIGNED FOR FLEXIBILITY
- ✓ EASY SET-UP
- ✓ COMPREHENSIVE SPECIFICATIONS

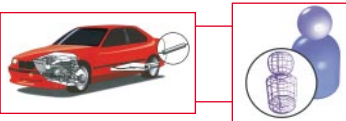
### 5 SERIES

*Specially adapted for manual or semi-automatic test benches. The F535 comes with a high level of specifications as standard together with the latest advances in measurement and operation.*

#### Main Features

- Differential pressure decay leak measurement
- 2 ranges of leak measurement ( $\Delta P$ )  
Full scale: 50 Pa or 500 Pa
- Test modes:
  - $\Delta P$
  - $\Delta P / \Delta t$
  - Flow units
  - Blockage test
  - and others, depending on your applications
- New, faster system to fill parts
- Manual calibration on front panel with calibrated leak
- Outputs and regulation via front or rear panel
- 16 programs
- **Serial links:**  
**RS232:** printer, bar code reader, P.C. and save 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...

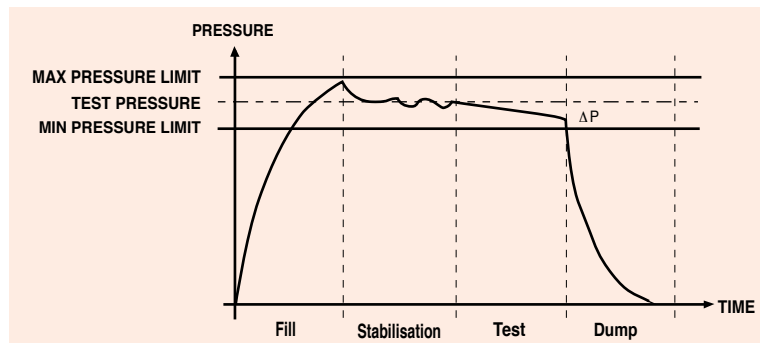
#### Options

- 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



Programming panel can be detached from pneumatic module (2 m max)



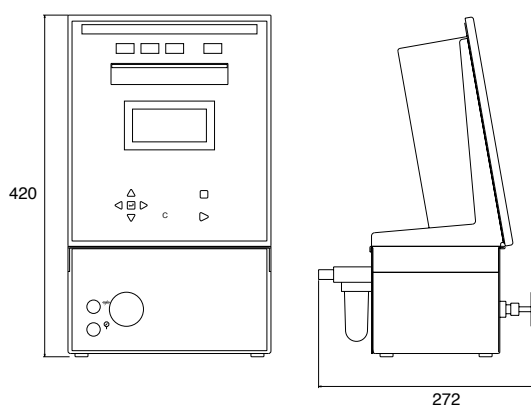
## Measurement Ranges

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		



The **F535** is versatile enough to have its regulator, pneumatic outputs, RS232 and quick connectors mounted either on the front or the rear panel depending on the application.

## Technical Specifications

- **Physical**  
Weight: approximately 8 kg
- **Interface**  
Navigation keys  
4-line LCD display  
High visibility LED alphanumeric display (14 characters)  
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

- Remote control panel
  - Start/Reset remote control
  - Intelligent remote control
  - Bar code reader
  - Printer
  - Save configuration and results modules
  - ATEQ software
  - Needle valve
  - Calibrated leak
  - Filtration kit
  - Vacuum pump
  - Sealing connectors
- Please refer to ATEQ accessories list



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