



F580

Leak Tester for semi-and fully automated stations

- ✓ CONTROLS SEVERAL HEADS (1 OR 2 INTEGRATED ONES AND 8 EXTERNAL ONES)
- ✓ OPTIMISED MEASUREMENT
- ✓ GRAPHICAL DISPLAY AND HIGH VISIBILITY LED'S
- ✓ EXCELLENT SPECIFICATIONS

5 SERIES

The ATEQ F580 in its 19" format is easy to integrate into semi- or fully automated test stations. Its comprehensive specifications, including ATEQ's latest developments in pressure decay technology, make it an extremely versatile instrument.

Main Features

- Differential pressure decay leak measurement
- 3 ranges of leak measurement (ΔP)
Full scale: 50 Pa or 500 Pa or 5000 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
- 64 programs / head
- **Serial links:**
 RS232: printer, results storage module
 RS232: P.C. and configuration storage module
 RS485: ATEQ network
- 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

- 7 inputs / 5 outputs
- 14 inputs / 14 outputs
- Electronic regulator
- Dual pressure
- High speed valve
- Y valve: 2 test ports (1 head only)
- 2 pneumatic outputs for control of sealing connectors
- 6 x 24 V programmable outputs (per head) for external automation
- 2 analogue outputs / head:
0 - 10 V or 4 - 20 mA
- Automatic calibration check
- Temperature compensation
- Modbus (Fieldbus)

ATEQ
www.ateq.com

User Interface

CYCLE MENU

Program / special cycle selection

PARAMETER MENU

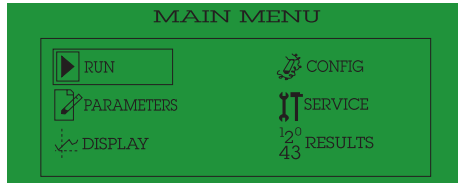
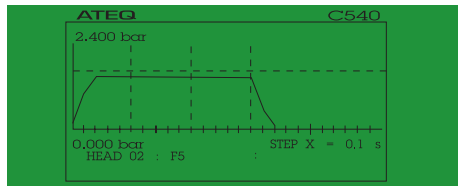
Access to programs and set of programs

CONFIGURATION MENU

Parameters set up of the instrument:
network, printing...

DISPLAY MENU

Selection of informations while the



test is performing: test curve, histogram, test results...

RESULTS MENU

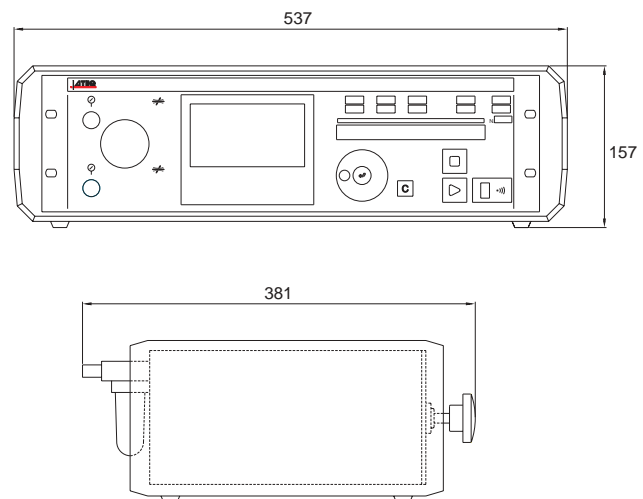
Counters programming.
Display of the results.

SERVICE MENU

Network status
Parameter
Backup...

Measurement Ranges

ΔP MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
0 - 50 Pa	± 2.5% P + 1 Pa	0.01 Pa
0 - 500 Pa	± 2.5% P + 1 Pa	0.1 Pa
0 - 5000 Pa	± 2.5% P + 1 Pa	1 Pa
PRESSURE MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
All ranges	± 1% P + 2 digits	0.1% of full scale
MECHANICAL PRESSURE REGULATION		
Vacuum / 5 - 50 kPa / 20 - 400 kPa / 50 - 900 kPa / 50 - 1 600 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 - 2000 kPa		



Technical Specifications

Physical

Weight: approximately 15 kg

Interface

Graphical display
High visibility LED alphanumeric display (14 digits)
Results indicator lights

External electrical supply

90 - 260 V AC / 1.6 A

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
Printer
Save modules
ATEQ software (WINATEQ, S5 DEMO)
Needle valve
Calibrated leak
Filtration kit
Vacuum pump
Sealing connectors

Please refer to ATEQ accessories list



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