

C540 + F20

Central unit and leak detection head for on-line testing

Very new appliance



- ✓ VERSATILE MOUNTING
- ✓ MULTI-TEST AND MULTI-HEAD CONTROL
- ✓ COMPACT (1/2 19")
- ✓ OPTIMAL MEASUREMENT

5 SERIES

ATEQ introduces a new concept for faster and more cost-effective leak tests. One central unit (ATEQ C540) controls up to 10 ATEQ F20's, which can be mounted close to the test parts, ensuring the best possible measurement conditions.



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
- Outputs and regulation via front or rear front panel
- Manual calibration on front panel with calibrated leak
- **Serial links (C540):**
 RS232: printer, bar code reader
 RS232: P.C. and save module
 RS232: intelligent remote control
 RS485: ATEQ network
 Infra-red: switch, LFC, P.C...
Serial links (F20):
 RS232: printer
 RS232: P.C. and save module
 RS485: ATEQ network
- **C540:** 14 inputs / 14 outputs
F20: 4 inputs / 5 outputs



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, domestic bottles, food sachets...

Options

- LCD display
- Infra-red port
- Electronic regulator
- Dual pressure
- High speed valve
- 2 pneumatics outputs for control of sealing connectors
- 6 x 24 V programmable outputs for external connection
- 2 analog outputs:
0 - 10 V or 4 - 20 mA
- Automatic calibration check
- Temperature compensation



User interface

CYCLE MENU

Program selection / Current program combination.
Customised set up.
Selection of displayed messages.

PARAMETER MENU

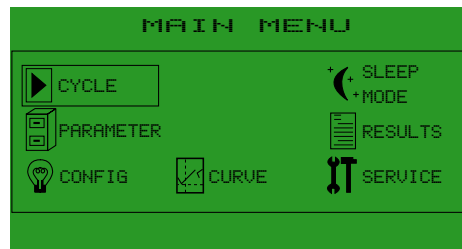
Test heads control, access to programs and set of programs

CONFIGURATION MENU

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

CURVE MENU

Selection of informations while the test is performing: test curve, histogram, test results...



SLEEP MODE MENU

Graphical display screen saver menu

RESULTS MENU

Counters programming.
Display of the results.

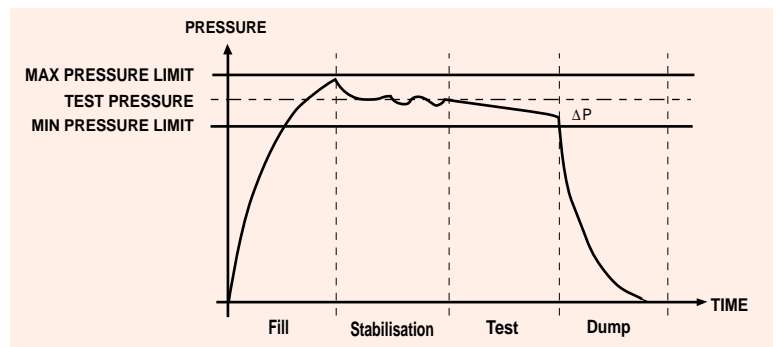
SERVICE MENU

Input/output test.
Serial connections test.
Measuring heads test...



Measurement ranges

ΔP MEASUREMENT		
RANGE	ACCURACY <i>X = reading</i>	MAXIMUM RESOLUTION
0 - 50/500Pa	± 2.5% of Reading+1Pa	0.01 /0.1Pa
5000 Pa	± 2.5% of Reading+10Pa	1 Pa
PRESSURE MEASUREMENT		
RANGE	ACCURACY <i>X = reading</i>	MAXIMUM RESOLUTION
All ranges	± 1.5% of Reading	0.1% of Full Scale
PRESSURE REGULATION (mechanical or electronic)		
Vacuum/ 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

Dimension (C540):

H x L x P = 287 x 250 x 180 mm

Weight (C540):

approximately 4,5 kg

Dimension (F20):

H x L x P = 136 x 250 x 180 mm

Weight F20:

approximately 4 kg

Interface

14 digits and graphical display (C540)

4-line LCD screen (F20 option)

Results indicator lights

(F20 option)

External electrical supply

External power supplied by the C540 90 to 260 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

2-functions remote control

Printer

Parameter storage module

ATEQ Software

Modem

Needle valve

Calibrated leak

Filtration kit

Vacuum pump

Sealing connectors

*Refer to ATEQ
accessories list*



Head Office:

15, rue des Dames - ZI des Dames - 78340 Les Clayes-Sous-Bois - France

(: + 33 1 30 80 10 20 - Fax : + 33 1 30 54 11 00 - e-mail : info@ateq.com

www.ateq.com