

F405

Compact leak detector for production testing



- LOW COST INSTRUMENT
- COMPACT FORMAT
- SIMPLIFIED SETUP

5 SERIES

Associated with the remote control RC5 mini, the **F405** is an entry level leak detector allows basic leak testing at a very competitive price.

Main Features

- Pressure decay leak testing
- Wide range of measurement from 500 Pa to 100 kPa
- Test modes:
 - ΔP (Pa, $1/10$ Pa)
 - $\Delta P / \Delta t$ (Pa/s, $1/10$ Pa/s)
 - flow units (mm^3/s , cm^3/s , cm^3/min , cm^3/h)
 - blockage test
 - and others depending on your application
- 8 programs
- 5 inputs / 4 outputs
- Fixation on DIN rail
- **Serial link:**
RS232: printer, P.C. and memory modules
- **And:**
Choice of languages and units, customisation of the test, ...

Applications



Automotive: shock absorbers, gearboxes, tank caps, carburetors, 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

Accessories case

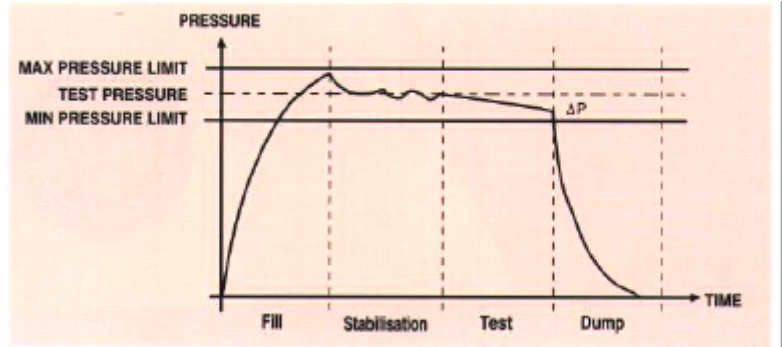
Pneumatical Kit (mechanical regulator - manometer - pipe cutter - tube - couplings...)



Measurement principle

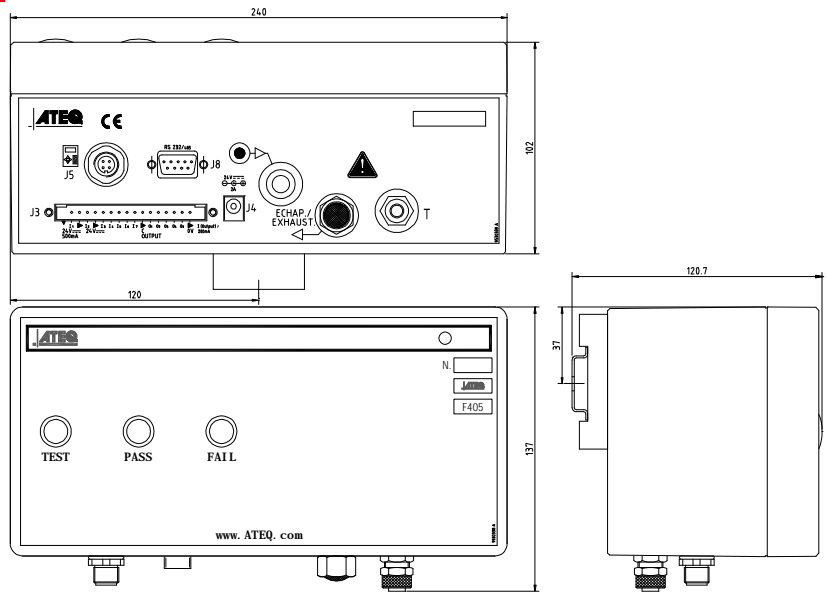


Remote Control RC5 mini to program one or several F405



Measurement Ranges

PRESSURE MEASUREMENT			
RANGE	EXTENT	ACCURACY	MAX RESOLUTION
-800 > -20 mbar	1 > 500 Pa	4% of the full scale	1 Pa
	10 > 1000 Pa		
	10 > 5000 Pa		
	10 > 10000 Pa		
50 > 500 mbar	1 > 500 Pa	4% of the full scale	1 Pa
	10 > 1000 Pa		
	10 > 5000 Pa		
	10 > 10000 Pa		
0.2 > 4 bar	10 > 1000 Pa	4% of the full scale	10 Pa
	10 > 5000 Pa		
	10 > 10000 Pa		
	10 > 50000 Pa		
0.5 > 9 bar	10 > 5000 Pa	4% of the full scale	10 Pa
	10 > 10000 Pa		
	10 > 50000 Pa		
	10 > 100000 Pa		



OPTIONAL MECHANICAL PRESSURE REGULATOR (mounted outside of the instrument)
vacuum - 500 mbar - 5 bar - 9 bar



Technical Specifications

- Presentation**
 Weight: about 5 kg
 Dimensions in mm:
 Width 240 - Height 137 - Depth with DIN rail 120.7
 Case: ABS
- Interface**
 Results display (Good part - cycle in progress - Bad part)
- External power supply**
 Voltage: 24 V DC / 1.25 A
- Air supply**
 Clean and dry air required
 Air quality standard to be applied (ISO 8573-1)
- Temperature**
 Operation : 0°C to + 45°C
 Storage : 0°C to + 60°C

Accessories

- Remote controle RC5 mini
- Printer
- Needle valve
- Leak master
- Filtration kit
- Sealing connectors
- Please refer to ATEQ accessories list

Specifications subject to change without notice



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