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:
  - $\Delta P$ (Pa, $\frac{1}{10}$ Pa)
  - $\Delta P / \Delta t$ (Pa/s, $\frac{1}{10}$ 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, 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

- 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

<table>
<thead>
<tr>
<th>RANGE</th>
<th>EXTENT</th>
<th>ACCURACY</th>
<th>MAX RESOLUTION</th>
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</thead>
<tbody>
<tr>
<td>-800 &gt; -20 mbar</td>
<td>1 &gt; 500 Pa</td>
<td>4% of the full scale</td>
<td>1 Pa</td>
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<tr>
<td></td>
<td>10 &gt; 1000 Pa</td>
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<tr>
<td></td>
<td>10 &gt; 5000 Pa</td>
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<td></td>
<td>10 &gt; 10000 Pa</td>
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<tr>
<td>50 &gt; 500 mbar</td>
<td>1 &gt; 500 Pa</td>
<td>4% of the full scale</td>
<td>1 Pa</td>
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<td>10 &gt; 1000 Pa</td>
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<tr>
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<td>10 &gt; 5000 Pa</td>
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<td></td>
<td>10 &gt; 10000 Pa</td>
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<tr>
<td>0.2 &gt; 4 bar</td>
<td>10 &gt; 1000 Pa</td>
<td>4% of the full scale</td>
<td>10 Pa</td>
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<td></td>
<td>10 &gt; 5000 Pa</td>
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<td></td>
<td>10 &gt; 10000 Pa</td>
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<tr>
<td>0.5 &gt; 9 bar</td>
<td>10 &gt; 5000 Pa</td>
<td>4% of the full scale</td>
<td>10 Pa</td>
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<td>10 &gt; 10000 Pa</td>
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<td></td>
<td>10 &gt; 50000 Pa</td>
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</tbody>
</table>

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: + 10°C to + 45°C
  Storage: 0°C to + 60°C

Optional Mechanical Pressure Regulator (mounted outside of the instrument)
vacuum - 500 mbar - 5 bar - 9 bar

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

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