PREMIER D
COMPACT CONTINUOUS LAMINAR FLOW TESTER

Without a doubt, the smallest high-performance continuous laminar flow tester on the market. Specially adapted for automatic or semi-automatic test machines, the Premier D has a full range of specifications at a very competitive price.

Highlights
- COMPACT FORMAT
- OPTIMIZED MEASUREMENT
- COMPETITIVELY PRICED
- EASY SET UP
PREMIER D
COMPACT CONTINUOUS LAMINAR FLOW TESTER

Flow Measurement

<table>
<thead>
<tr>
<th>RANGE</th>
<th>ACCURACY</th>
<th>MAXIMUM RESOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 l/h</td>
<td>±(0.5% D + 0.001 l/h)</td>
<td>1% of full scale</td>
</tr>
<tr>
<td>5 l/h</td>
<td>±(0.5% D + 0.005 l/h)</td>
<td>1% of full scale</td>
</tr>
<tr>
<td>10 l/h</td>
<td>±(0.5% D + 0.010 l/h)</td>
<td>1% of full scale</td>
</tr>
<tr>
<td>80 l/h</td>
<td>±(0.5% D + 0.080 l/h)</td>
<td>1% of full scale</td>
</tr>
<tr>
<td>150 l/h</td>
<td>±(0.5% D + 0.015 l/h)</td>
<td>1% of full scale</td>
</tr>
<tr>
<td>300 l/h</td>
<td>±(0.5% D + 0.030 l/h)</td>
<td>1% of full scale</td>
</tr>
<tr>
<td>1,000 l/h</td>
<td>±(0.5% D + 0.100 l/h)</td>
<td>1% of full scale</td>
</tr>
<tr>
<td>4,000 l/h</td>
<td>±(0.5% D + 0.040 l/h)</td>
<td>1% of full scale</td>
</tr>
<tr>
<td>10,000 l/h</td>
<td>±(0.5% D + 0.010 l/h)</td>
<td>1% of full scale</td>
</tr>
</tbody>
</table>

Pressure Measurement

<table>
<thead>
<tr>
<th>RANGE</th>
<th>ACCURACY</th>
<th>MAXIMUM RESOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS = 75 mbar</td>
<td>±(1.5% of P + 0.2 mbar)</td>
<td>0.1% of full scale</td>
</tr>
<tr>
<td>FS = 0.3 bar</td>
<td>±(1.5% of P + 1 kPa)</td>
<td>0.1% of full scale</td>
</tr>
<tr>
<td>0.3 bar</td>
<td>±(1.5% of P + 3 kPa)</td>
<td>0.1% of full scale</td>
</tr>
<tr>
<td>1 bar</td>
<td>±(1.5% of P + 7.5 kPa)</td>
<td>0.1% of full scale</td>
</tr>
</tbody>
</table>

Pressure Ranges

Vacuum ➔ 1,000 kPa

Technical Specifications

- Weight: Approximately 16 lbs
- Dimensions (WxHxD): 10" x 5.5" x 10"
- Navigation keys, four-line LCD display, results indicator lights
- Electrical supply: Voltage: 24 V DC / 2 A
- Clean and dry air required - Air quality standard to be applied (ISO 8573-1)
- Operating: 50°F to 110°F
- Storage: 32°F to 140°F

Main Features

- Continuous measuring mode
- Wide flow measurement range
- USA, SI, and customer units
- Measurement in standard or customized conditions
- Recalculated flow at the nominal pressure
- Measurement element fully integrated into one module
- Indirect or direct testing
- 32 programs
- Profinet, Profinus, Ethernet IP, Devicenet

Serial Links:
RS232: printer, PC and parameter storage module
RS232: intelligent remote control RS
RS485: ATEQ network

Options

- 7 inputs / 5 outputs
- Double capillary
- High accuracy mode
- Shut-off valve / dump / by pass
- 2 analogue outputs: current or voltage
- 2 pneumatic outputs for control of sealing connectors
- 6 x 24 V programmable outputs for external automation

Case Options

Rack mountable industrial case [D570]

Accessories

- Start/Reset remote control
- Intelligent remote control RC5
- Printer
- Parameter storage modules
- ATEQ software (WinAteq, S5 DEMO)
- Needle valve
- Sealing connectors
- Calibrated leak orifices
- Filtration kit
- Vacuum pump
- Shut-off valves

ATEQ
35980 Industrial Rd. - Livonia, MI 48150
Tel: 734-838-3100 - Fax: 734-838-0644 - Email: leaktestsales@atequsa.com - www.atequsa.com