The Breath Simulation Module transforms the Dual Adult Models 1600 and 5600i into a spontaneous breathing lung system.

- Simulate a spontaneously breathing patient for training or studying the use of CPAP, IMV, SIMV, pressure support of other ventilation models designed for use with breathing patients.
- Test and troubleshoot devices designed to support a spontaneously breathing patient for training.
- Measure added work of breathing associated with breathing circuits.
- Assess trigger sensitivity and response of demand flow systems.

Breath Rate: 1-60 Breaths per Minute
Inspiratory Time: User selectable - .50, 1.0, 1.5, & 2.0 sec (+/- .015 sec)
Breath Volume: 50-2000 mL
Manual Mode: Manual trigger provided for individual breaths

NOTE: The BSM may be used on an Adult/Infant TTL Models 1601 or 5601i but its use is limited. It can be used to create a spontaneously breathing infant lung only and no PneuView® software interface is available.
Computer Requirements:

- **PneuView®** software requires minimal computer resources to ensure proper operation.
  - 200 mHz minimal processor speed
  - 32 MB system RAM
  - 10 MB free hard disk space
  - 1 free serial or USB port
  - 640 x 480 16 color display
  - Windows® XP (32 or 64 bit) OS or newer
  - Microsoft .NET Framework 2.0 or higher

- **PneuView®** enhances the demonstration of ventilation phenomena. Possessing a wide array of capabilities and features, **PneuView®** will complement any equipment testing, certification or calibration program.

Select from up to 24 data parameters gathered, calculated and reported. All parameters are available for review at any time.

- Visually demonstrates, in real-time, the relationship between pressure, volume, and flow waveforms.
- Provides acquisition, storage, and review of data.
- Trend ventilator performance for up to 72 hours.
- Measures pressure, volume, flow and timing parameters.
- Provides flow/volume and pressure/volume loop graphs.
- Generates concise, yet comprehensive printed reports.

**PneuView® Software**

**Calculations:**

- Breath Rate
- Inspiratory Time
- Expiratory Time
- I:E Ratio
- Tidal Volume
- Minute Volume
- Mean Airway Pressure
- Baseline Pressure
- and more

**Specifications:**

<table>
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<tr>
<th>Models</th>
<th>4600</th>
<th>3600i</th>
<th>1601</th>
<th>5601i</th>
<th>1600</th>
<th>5600i</th>
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<tbody>
<tr>
<td>Adult</td>
<td>Adult</td>
<td>Infant</td>
<td>Each Lung</td>
<td>Total</td>
<td></td>
<td></td>
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<tr>
<td>Tidal Volume:</td>
<td>2.0 L</td>
<td>2.0 L</td>
<td>200 mL</td>
<td>2.0 L</td>
<td>4.0 L</td>
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<td>Residual Lung Volume:</td>
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<td>70 mL</td>
<td>1.02 L</td>
<td>2.04 L</td>
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<td>Lung Compliance:</td>
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<td>.01 to .10</td>
<td>.001 to .01</td>
<td>.01 to .10</td>
<td>NA</td>
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<tr>
<td>Pressure:</td>
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<td>-20 to 120</td>
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<tr>
<td>Weight:</td>
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<td>26 lbs (11.8 kg)</td>
<td>26 lbs (11.8 kg)</td>
<td>-</td>
<td>-</td>
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</tr>
</tbody>
</table>

**PneuView®** enhances the ability to provide accurate simulation of normal and diseased lung conditions for ventilator testing/calibration and respiratory therapy instruction.

**Contact us for more information.**

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