AirMon
Cost-Effective Flow Metering for Compressed Air
AirMon

Compressed air is the most expensive utility in any plant and therefore monitoring the entire network is of vital importance.

Forbes Marshall's AirMon is an innovative cost-effective solution for monitoring of compressed air on plant lines. Its microprocessor-based electronics features software designed jointly by a team of flow metering and compressed air experts. This gives you the most accurate solution for compressed air utility metering.

AirMon is a vortex flow meter with online pressure and temperature compensation and is the only practical solution for measuring compressed air consumption on distribution lines. It is cost-effective, highly accurate and easy to install.

### Features and Benefits
- Specialized solution for utility metering of compressed air
- High accuracy
- Cost effective solution maintenance-free sensor design
- Inbuilt pressure and temperature compensation
- Helps to monitor and tally the total compressed air consumption
- Very helpful in utilization of compressors in an energy efficient manner

### Application
- AirMon is a 2-wire transmitter specifically designed to measure compressed air flow on distribution lines.

### Architecture
- AirMon is available in sandwich construction as an integral configuration

### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressure</td>
<td>0 – 10 bar</td>
</tr>
<tr>
<td>Operating process temperature</td>
<td>60 Deg C</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-2 to 50 Deg C</td>
</tr>
<tr>
<td>Output</td>
<td>4 - 20mA</td>
</tr>
<tr>
<td>Unit accuracy</td>
<td>±2%</td>
</tr>
<tr>
<td>Density correction</td>
<td>Yes</td>
</tr>
<tr>
<td>Inbuilt Display</td>
<td>No</td>
</tr>
<tr>
<td>External Display</td>
<td>Yes (FIT)</td>
</tr>
</tbody>
</table>

### Material of Construction

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary</td>
<td>Investment cast ASTM351 grade CF8</td>
</tr>
<tr>
<td>Sensor pick up</td>
<td>SS F316L</td>
</tr>
<tr>
<td>Convertor housing</td>
<td>PDC aluminum grade ALSI 132</td>
</tr>
</tbody>
</table>

### Configurator
- Handheld configurator powered via converter used for factory and field configuration

### Certification/Approvals
- EMI/EMC
- IP65
- Vibration
- Bump

### Variants

**AirMon Primary Sizes**

- 1 inch
- 1.5 inches
- 2 inches
- 3 inches
- 4 inches

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