The Setra Model MRG is Setra’s newest differential pressure transducer. The Setra MRG is the ideal product for any contractor, combining the flexibility of a multi-range with the performance of a single range transducer. The MRG has 8 selectable ranges and 3 selectable outputs, easily adjustable on the job with a flip of a switch or jumper. The MRG uses an IP67 rated housing and has a conduit fitting for easy wiring, making the MRG an ideal solution for any general HVAC application.

**Universal Design**
The Setra MRG utilizes a universal design that gives the user total flexibility to make changes on the job site. The user has the option to choose the field configurable range, mounting (DIN Rail, wall mount and duct mount), output (mA or Volt) and engineering unit (W.C. or Pascals). This flexibility means that the contractor can use the MRG for all of their needs.

**8 Field Selectable Ranges**
The Setra MRG provides 8 field selectable ranges (0.5, 1.0, 2.5 and 5.0”W.C.). These ranges can be selected on site by flipping to the desired range.

**IP67 Rated Housing**
The MRG housing is a robust IP67 rated design and is sealed with a gasket to make it wash-down capable for difficult applications. The MRG also has a conduit fitting that make installation and wiring easier.

**Capacitive Sensing Technology**
Only Setra can claim ownership to the stainless steel capacitive design used in all of our HVAC/R sensors. Our advanced capacitive element provides excellent stability and linearity, while standing above the competitors in our ability to measure low pressure (<0.001”W.C.) at high accuracy. Our technology has been used in over 8 million installations and has the highest field acceptance rate in the industry.

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Model MRG Features:

- Field Configurable Duct Probe
- 4 Digit LCD
- Field Selectable Range
- Field Selectable Output
- Simple 5-Step Setup
- Field Accessible Push-Button Zero & Span
- External Mounting Tabs & Optional DIN Rail
- Unregulated AC/DC Operation

Target Uses:

- Sub-Contractors- Quick Installation
- Flexible for Building Specification Changes
- Service/Retrofit Friendly
- Service Technicians- Quick & Accurate Reconfiguration
Model MRG
Mutli-Range General Pressure Transducer

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model</th>
<th>Field Selectable Ranges</th>
<th>Configuration</th>
<th>Electrical Fitting</th>
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<tbody>
<tr>
<td>MRG</td>
<td>Unidirectional Pressure Ranges</td>
<td>Bidirectional Pressure Ranges</td>
<td>S Standard (Base Mount)</td>
</tr>
<tr>
<td></td>
<td>0.5”W.C. 100 Pa ±0.5”W.C. ±100Pa</td>
<td>1.0”W.C. 250 Pa ±1.0”W.C. ±250 Pa</td>
<td>U Universal¹</td>
</tr>
<tr>
<td></td>
<td>2.5”W.C. 500 Pa ±2.5”W.C. ±500Pa</td>
<td>5.0”W.C. 1,000 Pa ±5.0”W.C. ±1,000Pa</td>
<td>D DIN Rail</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>P Duct Probe</td>
</tr>
</tbody>
</table>

¹Code U, Universal unit includes Duct Probe and DIN Rail options.
²Calibration is performed at highest range.
Ordering Example: MRGSA = Model MRG, Standard Configuration, with 1/2" Conduit.

DIMENSIONS

Performance Data

- Accuracy RSS¹ (at constant temp) ±1.0% FS
- Compensated Range ºF (ºC) 32 to 122°F (0 to 50°C)
- Thermal Effects² %FS/ºF (ºC) 0.03 (0.054)
- Current Consumption 30mA (max)
- Maximum Line Pressure 10 PSI
- Overpressure Up to 10 PSI (range dependent)
- Long Term Stability (max.) 2.0% FS/YR
- Zero Offset %FS/G 0.5%
- Loop Resistance (Voltage Output) 10 K-Ohms (min)
- Weight (approx.) 8 Ounces

Environmental Data

- Operating Temperature² 32 to 122°F (0 to 50°C)
- Excitation Range 13 to 30 VDC/18 to 24 VAC (Voltage Output) 13 to 30 VDC (4 to 20mA output at terminals)
- Reverse Excitation Protection
- Field Selectable Output³
- Output Resistance (Voltage Output) 10 Ohms (max)
- Approval CE & RoHS Compliant

General Specifications

- Pressure Media: Typically air or similar non-conducting gases.
- Fire-Retardant Polycarbonate (UL 94 V-0 Approved), Hinged Lid
- 1/2" Conduit or PG9
- 1/2" O.D. Barbed Brass
- Push Button
- Pressure Connection Block: Removable Screw Terminal
- Mounting: Two Screw Holes Vertical Position
- Electrical Connection Block: Removable Screw Terminal
- Calibration: 1. Units calibrated at nominal 70°F. Maximum thermal error computed from this datum.
2. Operating temperature limits of the electronics only. Pressure media temperatures may be considerably higher.
3. Calibrated into a 50K ohm load, operable into a 10K ohm load or greater.

Specifications subject to change without notice.