MTN/2285IS-4P Series

Intrinsically safe 4-20 mA velocity transducer ATEX & IECEx Group II approved

ATEX and IECEx Group II certified. General purpose, side-entry velocity transducer with DC output. Made from robust stainless steel throughout for continuous vibration monitoring in harsh industrial environments. Internal electronics are enclosed in a Faraday cage and isolated to minimise noise. Sealed to IP67 with industry standard two wire 4-20mA output proportional to sensor range that can connect directly to PLC, DCS and other industrial controllers. Includes 4-pin M12 connector and ¼”-28UNF, M6 or M8 mounting bolt.

Applications

- Intrinsically safe data collector
- Oil & gas
- Motors, fans, compressors, pumps
- Petrochemical

MTN/2285IS-4P

Dimensions

<table>
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<tr>
<th>Technical</th>
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<tr>
<td>Output current</td>
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<tr>
<td>Supply voltage</td>
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<tr>
<td>Frequency response</td>
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<tr>
<td>Mounted base resonance</td>
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<td>Isolation</td>
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<td>Dynamic range</td>
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<tr>
<td>Temperature sensitivity</td>
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<tr>
<td>Transverse sensitivity</td>
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<tr>
<td>Temperature range</td>
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<tr>
<td>Case material</td>
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<td>Maximum cable length</td>
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<td>Mounting torque</td>
</tr>
<tr>
<td>Weight</td>
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<td>Sealing</td>
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</table>

Certificate Details

Group II¹

| BAS02ATEX1057X and IECEx BAS 08.0013X |
| Ex ia IIIC T6 Ga (-55°C ≤ Ta ≤ +65°C) |
| Ex ia IIIC T85°C DA (-55°C ≤ Ta ≤ +65°C) |

Terminal parameters

| Ui = 28V, II = 93mA, PI = 0.65W |
| For Ci and Li see certificate |

Barrier

| MTL7787+, BAS01ATEX7202 or P&FZ787, BAS01ATEX7005 or any other barrier that conforms to note 4 of ATX038 (Available on request) |

¹ Group II stands for ATEX Group II and IECEx Group II, indicating the level of protection against explosion hazards.
Options

- Dust option (Group II only)
- Filters
- Mounting threads
- Other velocities (see below)
- Mating connectors and cable assemblies

<table>
<thead>
<tr>
<th>Part #</th>
<th>Mounting</th>
<th>xx = Optional velocity (mm/s rms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTN/2285IS-4P-xx</td>
<td>¼” UNF x 33mm</td>
<td>0-10</td>
</tr>
<tr>
<td>MTN/2285ISM6-4P-xx</td>
<td>M6 x 35mm</td>
<td>0-20</td>
</tr>
<tr>
<td>MTN/2285ISM8-4P-xx</td>
<td>M8 x 28mm</td>
<td>0-25 0-50 0-100</td>
</tr>
</tbody>
</table>

System connection

Note: Care should be taken not to install this in a high velocity dust laden atmosphere.

¹Warning ref Group II: The Ci and Li were previously lower. The Installer must take account of the increase in internal capacitance and inductance present on this apparatus.