Kistler's high temperature accelerometers identify vibration anomalies

High temperature vibration monitoring for combustion dynamics, engine balance and exhaust systems depend on unique sensor performance to achieve safe, reliable and efficient operation.

Kistler's high temperature accelerometers help identify vibration anomalies in demanding airborne and stationary turbine as well as in compressor applications.
Description

The sensor features a shear design, which significantly reduces the influence of temperature and base strain. Other features are a high frequency response and a hermetic construction of the housing.

The sensor provides a differential signal output and features an internally case isolated design. It is available without cable in a connector version, or alternatively, equipped with a shielded low noise, AWG 22, twisted pair high temperature integral cable with standard lengths up to 20 meters and different cable protection systems to suit various applications.

Overview of sensor types

<table>
<thead>
<tr>
<th>Type</th>
<th>Electrical shielding</th>
<th>Mechanical protection</th>
<th>Handling</th>
<th>Ingress protection of sensor including cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>8205B_B</td>
<td>sufficient</td>
<td>sufficient</td>
<td>very good</td>
<td>IP54</td>
</tr>
<tr>
<td>8205B_C</td>
<td>very good</td>
<td>good</td>
<td>good</td>
<td>IP54</td>
</tr>
<tr>
<td>8205B_D</td>
<td>good</td>
<td>very good</td>
<td>good</td>
<td>IP54</td>
</tr>
<tr>
<td>8205B_E</td>
<td>good</td>
<td>very good</td>
<td>good</td>
<td>IP68*</td>
</tr>
</tbody>
</table>

* Hermetically sealed, pressure resistant up to 25 bar

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