Optimum measurement of pressure differentials

PTH is a series of pressure transducers which are ideal for monitoring and controlling pressure differentials in ventilation systems.

PTH transducers are particularly suitable when a measurement of the actual air pressure is required for demand control ventilation.

PTH transducers take up very little space and are designed for direct installation at the measuring point. PTH transducers are exceptionally compact and easy to install as there is ample room for attaching cables.

PTH transducers provide our customers with an advantageous combination of high quality and accurate measurement.

PTH FUNCTIONS

**Temperature-compensated output signal**
The electronic system is based on microprocessor technology, ensuring a precise output signal. Thanks to the integrated temperature compensation, the transducers are ideal for use over a wide range of temperatures. PTH is, for example, suitable for fresh-air inlets.

**No risk of dust-related errors**
PTH consists of semiconductor-based pressure elements that provide reliable and accurate measurements. As pressure affects these elements direct and there is no air flow through them, the risk of dust-related errors is extremely small.

**Flexible design**
PTH can be configured to suit any controller. With eight different pressure ranges and the possibility of choosing between voltage and current outputs, PTH pressure transducers have a wide range of applications, are easy to install and save space in the service van.
CE MARKING

PTH transducers meet the requirements contained in the following standards:

EMC DIRECTIVE
EN 61000-6-2
EN 61000-6-3

INSTALLATION

PTH installation

PTH is mounted using two screws. The mounting surface must be level between the two screws. The pressure tubes must be as short as possible and be secured in position to prevent vibration. To obtain the best possible results, pressure must be measured where there is least risk of turbulence, i.e. in the centre of the ventilation duct and at a distance of at least twice the width of the duct from bends and branches.

Control signal cable installation

The enclosure is opened without the use of tools by pressing the snap lock at the side of the connectors. The transducer cable may be up to 50 m in length. The transducer cable must be kept separate from mains-carrying cables as voltages may otherwise be produced that can interfere with transducer function and damage the controller.

PRODUCT PROGRAM

<table>
<thead>
<tr>
<th>TYPE</th>
<th>PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTH-3202</td>
<td>Pressure transducer 0-2000 Pa, single channel</td>
</tr>
</tbody>
</table>