

## Minimum contents of a Pressure Sensor specification

In order to make a right selection of a Pressure Sensor for a dedicated application, it is necessary to answer the following questions :

- ☒ Is it an Absolute, a Gage (Relative) or a Differential measurement to perform ?
- ☒ For Absolute and Gage measurements :
  - What is the required Pressure range ?
- ☒ For Differential measurements :
  - What is the required  $\Delta P$  Pressure range ?
  - What is the Line Pressure ?
- ☒ In any case :
  - What could be the overpressure in practice ?
- ☒ What is the operating Temperature Range (for the fluid and the ambient) ?
- ☒ What are the environmental parameters able to perturb the measurement ?
  - Vibrations ?
  - Shocks ?
  - Radiation ?
  - Humidity ?
  - Aggressive environment ?
- ☒ What is the accuracy required for the measurement ?
- ☒ Is there a need for a Dual Pressure + Temperature Sensor ?
- ☒ Is a low level Output signal required (typically millivolts) or an Amplified signal ?
  - Voltage Output ?
  - Current Output ?
- ☒ What is the expected Life Time for the Sensor ?
- ☒ What type of element is required for the application ?
  - A complete Transducer ready to be used ?
  - A complete Transmitter ready to be used ?
  - Just a sensing element ?

Thinking about those questions and trying to give an answer to all of them will help the Customer in the definition of his problem and will finally indicate the right way driving to the right Supplier.