

## PRIASAFE® System

- Mounting-proof sensor with housing
- Calibration takes place after the housing is mounted
- No deviation of calibrated value upon mounting into the mold
- No force shunt
- Maps real pressure curves

### Description

A cavity pressure sensor is a highly sensitive measuring instrument that can – if not mounted properly – give wrong measuring results. A possible cause is the so called force shunt which generates a sensitivity loss of the sensor when the sensor front touches the bore.

To prevent this, the PRIASAFE® cavity pressure sensor types are mounted into housing first and then calibrated. This procedure has the advantage that the sensitivity does not change after the sensor has been installed into the mold because it is “protected” by the housing. In a second step the determined sensitivity will be saved inside the sensor with a hardware code. With the help of this hardware code the sensor sensitivity can then be automatically detected without being influenced by the sensor installation. The sensor is therefore easy to use, safe, and suitable for industrial production.

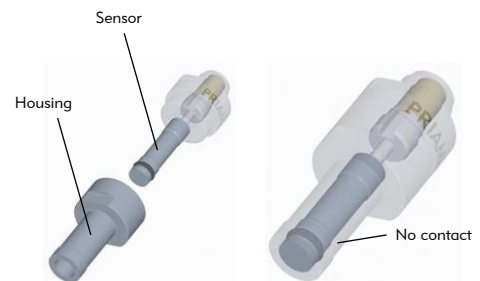


Figure 1: Sensor equipped with housing

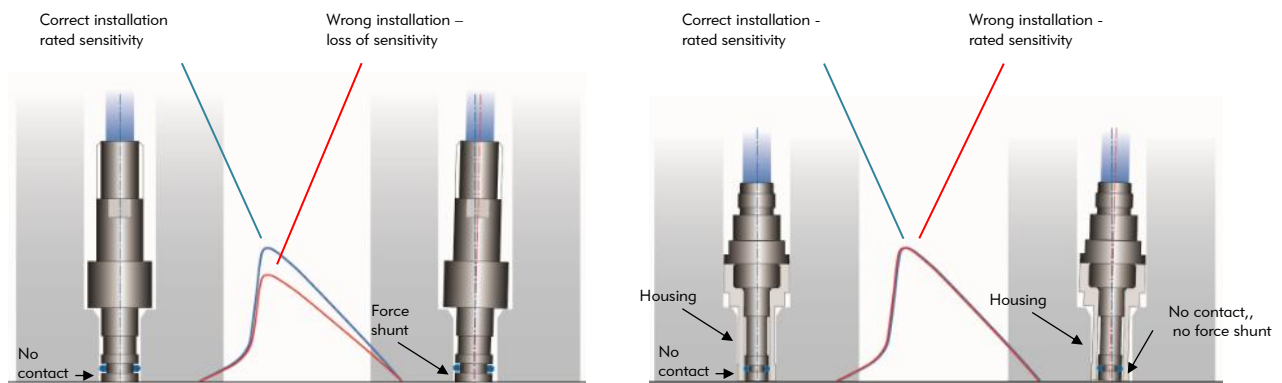


Figure 2: left – pressure curves without PRIASAFE®, right – pressure curves with PRIASAFE®