



## Press Release

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### Small but safe – the new PRIAMUS Cavity Pressure Sensors

Cavity pressure sensors are one of the central components for quality assurance in injection molding.

However, sensors are different. Especially with the increasing miniaturization of the molded parts and consequently with the used sensors there are also risks involved which have to be considered. It therefore becomes more and more important to take the right choice of the cavity pressure sensors to be used.

The smaller the cavity pressure sensors are the higher is the risk that the sensor front touches the mounting bore and therefore the sensor loses sensitivity (force shunt). In order to avoid this effect PRIAMUS has developed the so called PRIASAFE™ principle by which the actual sensor is protected by a housing. The sensor itself is practically located in an installed condition. Only after installation of this protecting housing the actual sensor sensitivity is being determined and saved. This patented method guarantees that the measuring values don't change anymore even after installation into the bore and that reliable process monitoring can be carried through.

Besides a number of PRIASAFE™ cavity pressure sensors with different dimensions, the new types 6010B and 6011B with a front diameter of 2.5 mm and a very short sensor body are now available. This design allows the replacement of conventional cavity pressure sensors with a front diameter of 2.5 mm by simply remachining the mounting bore. Untypical cavity pressure curves with an apparent residual pressure are displayed correct again after using PRIASAFE™ sensors.

The extreme small cavity pressure sensors are fixed either without thread with the help of distance sleeves (type 6010B) or with a thread which is directly located on the sensor itself (type 6011). This new fixing method saves the use of additional mounting nuts.

All PRIASAFE™ sensors provide automatic sensitivity detection so that the correct sensitivity value must not be adjusted to the connected electronics anymore.

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