

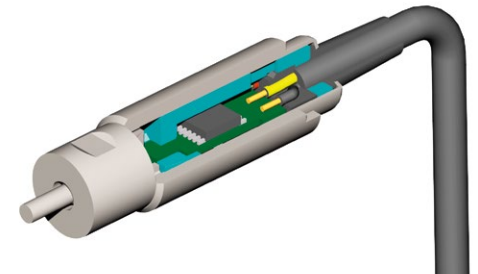
Injection Moulding Pressure Sensor

Story of success by Hidria's pressure sensor glow plug for internal combustion engines continues with new product.

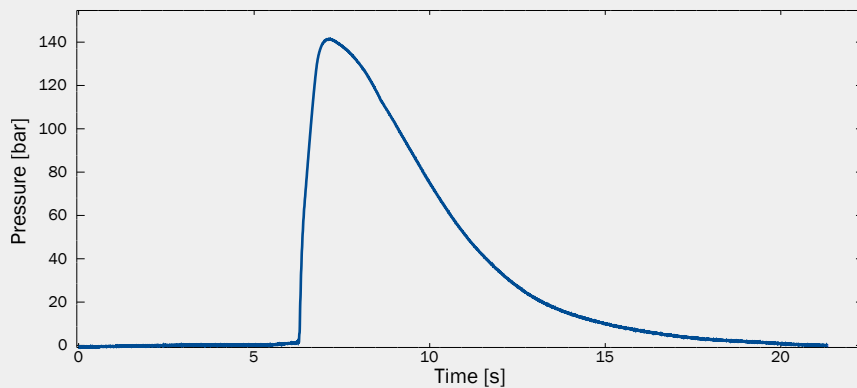
We developed innovative solution for **pressure measurement in injection moulding tools**.

The pressure information, amplified, calibrated and filtered by exclusive integrated ASIC can be transmitted to DAQ card or to control unit of injection moulding machine, while no additional expensive charge amplification or signal processing is needed.

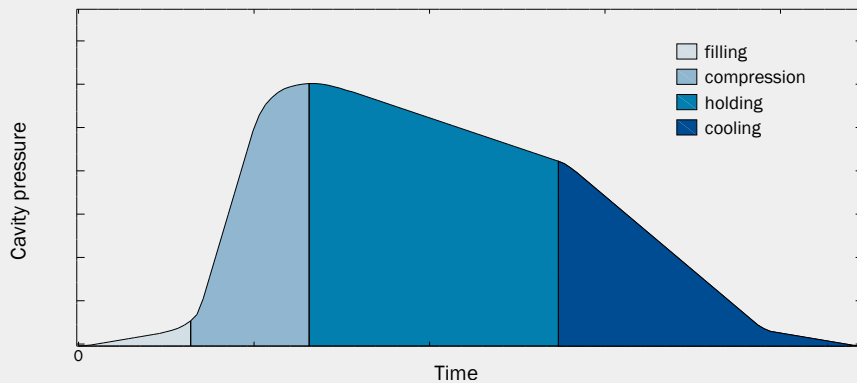
Advantage of this approach is that there is no need for special cables for charge transfer and easy integration with data acquisition systems. Pressure sensor is a must for any producer of plastic to be ready for Industry 4.0. We strive for integration of pressure sensor in every injection moulding tool, since it brings many advantages to the process. With our cost optimized solution this is now possible.



IMPS measurement



IMPS output



Innovative concept

- New solution for injection moulding process monitoring
- Developed and designed in house
- Robust solution with integrated electronics
- Integrating automotive ASIC technologies
- Ready for IoT and Industry 4.0

Technical characteristics:

Operating mold temperature:	150°C
Melt temperature:	400 °C
Pressure range:	0-2000 bar
Overpressure:	2500 bar
Supply voltage:	5V ±0,5V
Output:	analog
Sampling rate:	2 kHz
Accuracy:	±1 %