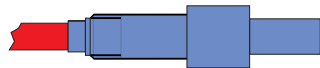


Injection Molding

Overview FOS Ø 4 mm Mold Sensor Family



MESSTECHNIK GMBH



Pressure	Temperature	Temperature	Temperature	Colour
Melt	Surface (TC)	Melt (IR)	Mold (TC)	Melt

MPS (-A)				
MPS - M				
MTS-IR-STS				
MTPS-IR-STS				
MPS - STS				
MTS - STS				
MGT				
MOS				

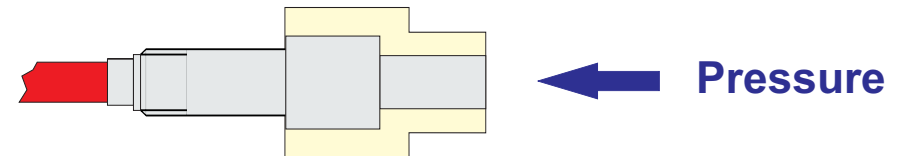
Injection Molding

Mold Pressure Sensor

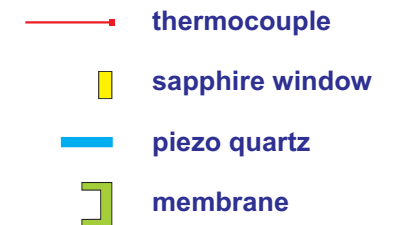
MPS



MPS -A (mounted in Ø 6mm adaptor)



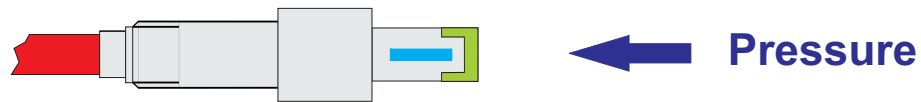
- Quartz pressure sensor
- Version -A with mounting adapter for improved signal stability
- High quality
- High sensitivity
- Sensors made by FOS
- Best price in market



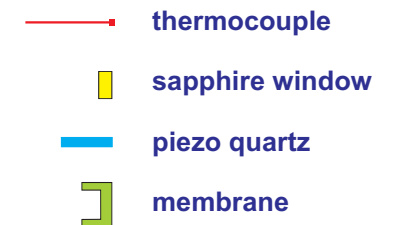
Injection Molding

Mold Pressure Sensor with front membrane

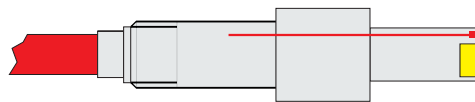
MPS - M



- High quality quartz pressure sensor
- Front end membrane
- No impact of mounting on sensitivity (no sticking!)
- Permanent stable sensitivity during production process
- Only offered by FOS

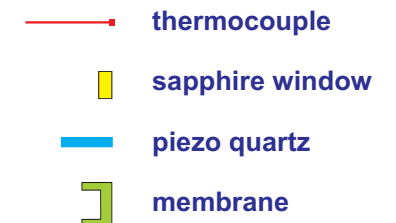


MTS - IR - STS



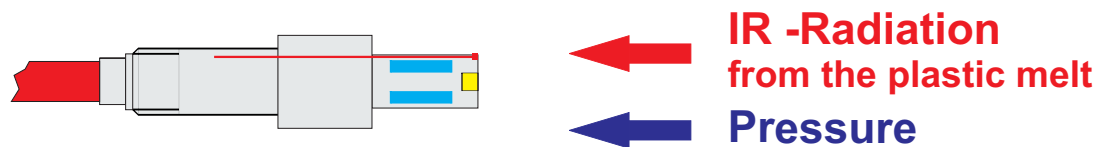
**IR -Radiation
from the plastic melt**

- IR - Mold temperature sensor
- Measures the temperature of the melt in the cavity
- Fast temperature response
- Helps to reduce cycle time
- Temperature controlled mold opening
- Helps to improve the process stability
- Reduced warpage

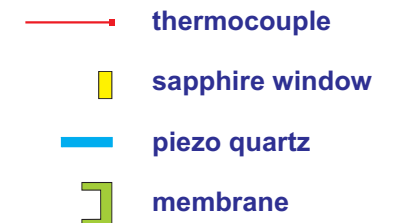


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MTPS - IR



- Combined mold sensor
 - * IR-melt temperature sensor
 - * Cavity pressure sensor
 - * Mold temperature sensor
- Improved process control
- Temperature controlled mold opening
- Allows to monitor the complete melt cooling process
- pT controlled injection process



Injection Molding

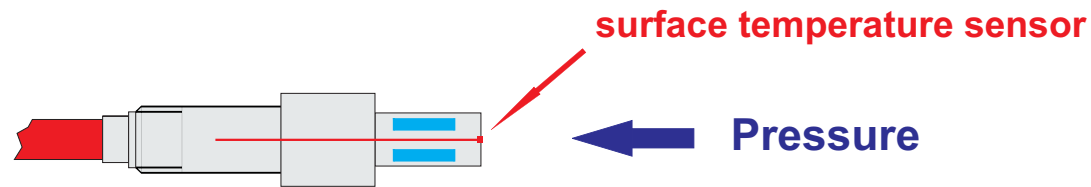
Mold Pressure and Surface Temperature Sensor



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6/9

MPS - STS



- Combined mold sensor
 - * Cavity pressure sensor
 - * Surface temperature sensor
- Improved process control
- Temperature controlled mold opening

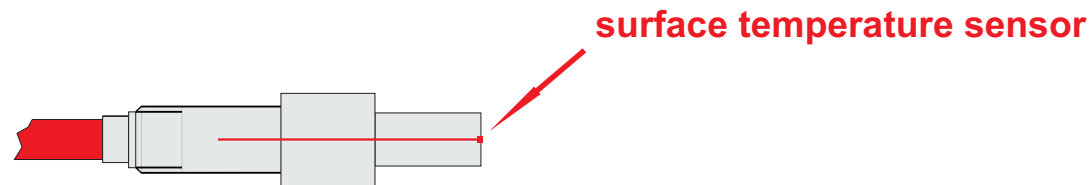
- thermocouple
- sapphire window
- piezo quartz
-] membrane

FOS *The experts in metrology*





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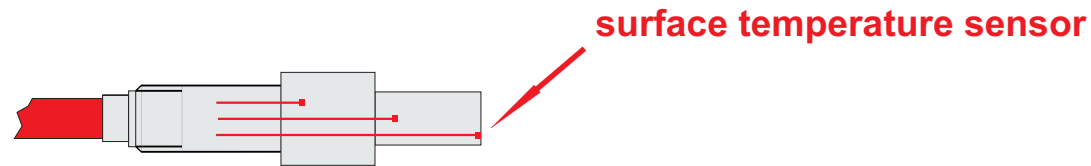
MTS - STS







- Mold temperature sensor
 - * Surface temperature sensor
 - * Mold temperature sensor
- Improved process control
- Independent shot counting

-  thermocouple
-  sapphire window
-  piezo quartz
-  membrane

MGT

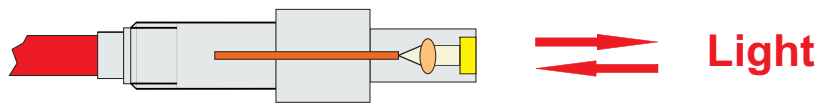


- Mold temperature sensor
 - * Surface temperature sensor
 - * Mold temperature sensor
- Improved process control
- Heat flow monitoring
- Independent shot counting

-  thermocouple
-  sapphire window
-  piezo quartz
-  membrane

Injection Molding

Mold Optical Sensor



- Melt colour measuring
- Improved process control
- Shot counting
- Optical process monitoring

- thermocouple
- sapphire window
- piezo quartz
-] membrane