



# Trouble Shooting

## Industrial Automation

### Pressure and Temperature Sensors

#### Trouble shooting

#### MBS 9200 & MBS 9300 Low Pressure Transmitter

Failure mode	Possible cause	Possible solution
Zero point shift	Ventilation tube might be blocked.	Make sure the ventilation tube is not blocked by foreign objects, e.g. grease.
	Improper ventilation.	Use vented cable.
	Mounting position different from reference position (see data sheet).	Change mounting position or perform zero adjustment in controller.
	Mounting torque too high.	Use torque wrench for installation.
	Transmitter failure.	Replace transmitter
Fluctuating/Unstable signal	Reference pressure is not in balance (e.g. phase shifted) with the measured pressure.	Ensure reference pressure of transmitter is the same as reference pressure for measured pressure.
		Use low- pass filter or moving average in controller.
	Turbulences from moving parts.	Mount transmitter coaxial to moving parts (e.g. coaxial to crankshaft)
		Use a muffler tube.
	Vibration	Mount transmitter perpendicular to vibration direction.
		Use low- pass filter or moving average in controller.
Transmitter failure.	Replace transmitter	

**Contact:** John Hansen  
 Technical Manager  
 Tel.: +45 7488 2936  
[John.Hansen@danfoss.com](mailto:John.Hansen@danfoss.com)