



262/264 Pressure Transmitter
PROFIBUS PA

Vendor:	ABB
Device:	2600T Series - 262/264
Protocol:	PROFIBUS PA

Type:	Pressure Measurement
Application:	Absolute Pressure Differential Pressure Gauge Pressure

	System 800xA	Asset Master
DMS Calibration Supported:	SV4.1 SV5.0 SP1	v5.0
MRO Maximo CMMS Supported:	SV4.1 SV5.0 SP1	v5.0
SAP/PM CMMS Supported:	SV4.1 SV5.0 SP1	v5.0

Object Type Revision	2.0
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Asset Monitor based on NAMUR NE107 recommendations

Conditions monitored:

Condition	Description	Possible Cause	Suggested Action	Severity
CONFIGURATION STATUS				
	Invalid parameterization prevents the device from starting-up or functioning properly.	Device parameterization not consistent or complete or does not match the actual hardware configuration.	Check the device parameterization.	1000
	Invalid configuration prevents the device from starting-up or functioning properly.	Device configuration not consistent or complete or does not match the actual hardware configuration.	Check the device configuration.	1000
	Wrong identification number prevents start-up of cyclic communication interface.	Device ID is different than configured.	Use correct GSD and ident-number or contact device vendor. This condition is relevant ONLY when the device is in exchange mode with the cyclic communications active. In case this condition is set when only the acyclic communication is active, it has not to be considered.	1000
	The Simulation function is Enabled	The operator forgot to exit from the Simulation function	Check the simulation setting and disable it	750
HARDWARE STATUS - PRESSURE SENSOR				
	A Sensor memory error was detected during the start-up. The impact on the process value is critical.	The data uploaded from the sensor memory is corrupt and not usable in the algorithms for the process value.	The sensor must be replaced	1000
	The sensor signal value is incorrect due to a mechanical failure.	Mechanical damage to the sensor. Loss of fill fluid from the cell; ruptured diaphragm...	The sensor must be replaced.	1000
	The primary signal of the sensor is no longer available.	The sensor signal is not being updated correctly as a result of an electronics failure, sensor error or a poorly connected sensor cable.	Check cable connection, check sensor and if problem persists, the sensor must be replaced.	1000
	The transducer is not in a condition to generate a valid signal.			
	The measurement accuracy is decreased. The current value is only compensated with the last known values of the static pressure or temperature sensor.	The circuitry for the sampling of the static pressure or the temperature has failed.	The sensor should be replaced as soon as possible.	250
	A Sensor memory error was detected during the start-up. The impact on the process value is not critical.	The data uploaded from the sensor memory is corrupted but this data is not used in the algorithms for the process value.	The sensor should be replaced as soon as possible.	100
	After the next power cycle the new configuration will be lost	Writing to the Sensor EEPROM was not successful. (Non-Volatile memory of the sensor)	The sensor should be replaced as soon as possible.	100
HARDWARE STATUS - ELECTRONICS				
	Electronics is not compatible with the sensor.	The electronics and the sensor data base are of different versions and not compatible	The electronics must be replaced.	1000
		OR the electronics is for a different model of sensor		
	Electronics hardware error causes the device to stop proper functioning.	Hardware defect.	Check the electronics. Exchange the device if necessary.	1000
	After the next power cycle all new configurations/data will be lost.	Writing to the electronics EEPROM was not successful. (Non-Volatile memory of the secondary electronics)	The electronics should be replaced as soon as possible.	100

Condition	Description	Possible Cause	Suggested Action	Severity
OPERATING CONDITIONS				
	Device does not exist on the bus preventing start-up of communication.	Device not properly connected to the bus or w/o electrical power supply.	Check device connections.	1000
	Coldstart. Device restarting with default configuration.	Power supply was lost and has been re-applied.	Check power wiring if the problem persists.	1000
	Warmstart. Device restarting with last valid configuration, resulting in a temporary loss of functionality.	Device restart issued due to a device internal problem or due to an operator action.	If not caused by an operator action, exchange the device.	1000
	An overpressure has been detected on the HIGH side.	This effect could be produced by other equipment on the process, (valves.....). Exceeding the pressure range can cause reduced accuracy or mechanical damage to the diaphragm material and may require calibration/replacement.	The compatibility of pressure transmitter model and process conditions has to be checked. A different transmitter type could be required	500
	An overpressure has been detected on the LOW side.	This effect could be produced by other equipment in the process, (valves.....). Exceeding the pressure range can cause reduced accuracy or mechanical damage to the diaphragm material and may require calibration/replacement.	The compatibility of pressure transmitter model and process conditions has to be checked. A different transmitter type could be required	500
	The temperature is too high. The sensor temperature is outside of its operational limits.	The temperature of the process environment affects the pressure transmitter; use of remote seals is suggested. Excess temperature can reduce accuracy, degrade device components and may require calibration/replacement.	The compatibility of pressure transmitter model and process conditions has to be checked. A different installation type could be required.	500
	The temperature is too low The sensor temperature is outside of its operational limits.	The temperature of the process environment influences the pressure transmitter; use of remote seals is suggested. Excess temperature can reduce accuracy, degrade device components and may require calibration/replacement.	The compatibility of pressure transmitter model and process conditions has to be checked. A different installation type could be required.	500
	The static pressure is above the operational limit.	The static pressure of the process exceeds the limit of the pressure transmitter. Exceeding the Static Pressure can reduce accuracy, mechanically damage the diaphragm and may require calibration/replacement. An incorrect transducer model could have been selected.	The compatibility of pressure transmitter model and process conditions has to be checked. Probably a different transmitter type is required.	500



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