

Configuration Data Sheet

00806-0100-4804, Rev AA

May 2009

Rosemount 3051S Series

Rosemount 3051S ERS Configuration Data Sheet

BOLD = Required Value
* = Default

Select only one of the items provided
 One or more of the listed items can be selected

Customer Information

Customer: _____ **Contact Name:** _____
Phone No.: _____ **Fax No./Email:** _____
P.O./Reference No.: _____ **P.O. Line Item:** _____
P-Hi Model No.: _____ **P-Lo Model No.:** _____
Quote No.: _____
Customer Signoff: _____

Tagging

P-Hi Transmitter Hardware Tag: _____ (85 characters max)
P-Lo Transmitter Hardware Tag: _____ (85 characters max)
ERS System Software Tag: _____ (8 characters max)

Sensor Calibration

P-Hi Pressure Sensor: Units = _____ Lower Trim = _____ Upper Trim = _____
P-Lo Pressure Sensor: Units = _____ Lower Trim = _____ Upper Trim = _____

4-20 mA Output

System Differential Pressure (DP): Units = _____ 4 mA = _____ 20 mA = _____

C1 Option Configuration Information

NOTE

The following fields are optional and apply for the C1 option.

ERS System Information

Descriptor: _____ (16 characters max)
Message: _____ (32 characters max)
Long Tag: _____ (32 characters max)
Date: _____ (Default = date of calibration)

Sensor Module Temperature

P-Hi Module Temperature Units: °F °C **P-Lo Module Temperature Units** °F °C

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Process Management

Rosemount 3051S Series

Damping

System Differential Pressure (DP): _____ seconds (0-60, 1.0*)
 P-Hi Pressure: _____ seconds (0-60, 0.4*)
 P-Lo Pressure: _____ seconds (0-60, 0.4*)

Digital Display Information (Select all parameters to be shown on the device display)

System DP P-Hi Pressure P-Lo Pressure P-Hi Module Temperature
 P-Lo Module Temperature Scaled Variable mA Output (% of Range)

Variable Mapping (Please assign each variable by selecting one choice per row)

	System DP	P-Hi Pressure	P-Lo Pressure	P-Hi Module Temperature	P-Lo Module Temperature	Scaled Variable
PV:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	N/A	N/A	<input type="radio"/>
2V:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3V:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4V:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Signal Selection

4–20 mA with simultaneous digital signal based on HART protocol
 Multidrop Communication Transmitter Address (1-15): _____

Burst Mode: Enabled Disabled

Custom Alarm and Saturation Levels

Low Alarm: _____ mA (must be between 3.6 and 3.8 mA) High Alarm: _____ mA (must be between 20.2 and 23.0 mA)
 Low Saturation: _____ mA (must be between 3.7 and 3.9 mA) High Saturation: _____ mA (must be between 20.1 and 21.5 mA)

For Reference Only:
 Alarm Value: The mA value the ERS system will output if the diagnostics detect a malfunction.
 Saturation Value: The max. or min. mA value the transmitter will output when the primary variable exceeds the 4–20 mA range values.

Process Alerts				Scaled Variable			
System DP:	<input type="radio"/> Enabled	Low Alert =	Hi Alert =	Scaled Units = _____ (5 characters max)			
	<input type="radio"/> Disabled	Units =		Damping = _____ seconds (0-60, 1.0*)			
P-Hi Pressure:	<input type="radio"/> Enabled	Low Alert =	Hi Alert =	LRV (4 mA) = _____ URV (20 mA) = _____			
	<input type="radio"/> Disabled	Units =		DP Units: Scaled Units:			
P-Lo Pressure:	<input type="radio"/> Enabled	Low Alert =	Hi Alert =	DP1		Scaled 1	
	<input type="radio"/> Disabled	Units =		DP2		Scaled 2	
P-Hi Module Temperature:	<input type="radio"/> Enabled	Low Alert =	Hi Alert =	DP3		Scaled 3	
	<input type="radio"/> Disabled	Units = <input type="radio"/> °F <input type="radio"/> °C		DP4		Scaled 4	
P-Lo Module Temperature:	<input type="radio"/> Enabled	Low Alert =	Hi Alert =	DP5		Scaled 5	
	<input type="radio"/> Disabled	Units = <input type="radio"/> °F <input type="radio"/> °C		DP6		Scaled 6	
				DP7		Scaled 7	
				DP8		Scaled 8	
				DP9		Scaled 9	
				DP10		Scaled 10	
				DP11		Scaled 11	
				DP12		Scaled 12	
				DP13		Scaled 13	
				DP14		Scaled 14	
				DP15		Scaled 15	
				DP16		Scaled 16	
				DP17		Scaled 17	
				DP18		Scaled 18	
				DP19		Scaled 19	
				DP20		Scaled 20	