

Configuration Data Sheet

November 2017
00806-0100-4690, Rev CD

Rosemount 2088

Rosemount™ 2088 Pressure Transmitter 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: _____
Quote no. _____	Model no.: _____
Customer sign-off: _____	

Tagging	
Hardware tag: _____	(56 characters)
Software tag: _____	(8 characters)
Long software tag (for HART® 7 only): _____	(32 characters)

Output information			
Pressure units:	<input type="radio"/> inH ₂ O at 4 °C	<input type="radio"/> mmH ₂ O at 68 °F	<input type="radio"/> Psi*
	<input type="radio"/> inH ₂ O at 60 °F	<input type="radio"/> inHg at 0 °C	<input type="radio"/> Atm
	<input type="radio"/> inH ₂ O at 68 °F	<input type="radio"/> mmHg at 0 °C	<input type="radio"/> Torr
	<input type="radio"/> ftH ₂ O at 68 °F	<input type="radio"/> Pa	<input type="radio"/> g/cm ²
	<input type="radio"/> mmH ₂ O at 4 °C	<input type="radio"/> kPa	<input type="radio"/> Bar
	<input type="radio"/> MPa	<input type="radio"/> kg/cm ²	<input type="radio"/> mbar
	<input type="radio"/> Linear*	<input type="radio"/> Square root	<input type="radio"/> HPA
Transfer function:			
Range points:	4 mA = _____ (0*)	20 mA = _____ (URL*) ⁽¹⁾	

1. Default values may be different outside the U.S.A. Consult an Emerson™ representative.

Note
Custom configuration information below this line requires C9 option code.

Output information	
Transmitter sensor temperature units: <input type="radio"/> °C* <input type="radio"/> °F	Damping (0 – 60 seconds): _____ (0.4 seconds*)



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Transmitter information	
Descriptor: _____	(16 characters)
Message: _____	(32 characters)
Date: _____ (Date of calibration*)	

Digital display information ⁽¹⁾	
<input type="checkbox"/> Engineering units*	<input type="checkbox"/> % of range
<input type="checkbox"/> Review parameters at startup	<input type="checkbox"/> Analog output
<input type="checkbox"/> Scaled variable	<input type="checkbox"/> Sensor temperature

1. Option M4 or M5 must be selected within the transmitter model code.

Process variable output assignments			
Primary variable:	<input type="radio"/> Measure pressure*	<input type="radio"/> Scaled variable	
Secondary variable:	<input type="radio"/> Measure pressure	<input type="radio"/> Scaled variable*	<input type="radio"/> Sensor temperature
Tertiary variable:	<input type="radio"/> Measure pressure	<input type="radio"/> Scaled variable	<input type="radio"/> Sensor temperature*

Scaled variable information	
Scaled units = _____ (5 characters max – valid characters include 0-9, A-Z, /, %, -, and *)	
Transfer function:	
<input type="radio"/> Linear*	<input type="radio"/> Square root
Linear scaled variable (with Linear option only)	Square root scaled variable (with Square root option only)
Low pressure value = _____ (Eng. units)	Low pressure value = 0 (Eng. units)
High pressure value = _____ (Eng. units)	High pressure value = _____ (Eng. units)
Low scaled value = _____ (Scaled units)	Low scaled value = 0 (Scaled units)
High scaled value = _____ (Scaled units)	High scaled value = _____ (Scaled units)
Linear offset = _____ (Eng. units)	Low flow cut off: <input type="radio"/> On <input type="radio"/> Off* _____ (Scaled unit)
Range values – both categories must be completed. (used when scaled variable is set to primary variable)	
LRV = _____ (Scaled unit)(7 characters max)	URV = _____ (Scaled unit)(7 characters max)

Security information			
Security switch:	<input type="radio"/> Enable	<input type="radio"/> Disabled*	Configuration buttons ⁽¹⁾ :
Local operator interface password ⁽²⁾ :	<input type="radio"/> Enable	<input type="radio"/> Disabled*	<input type="radio"/> Enable* <input type="radio"/> Disabled
Password (4 digits): _____			

1. Requires D4, DZ or M4.

2. Requires M4.

Custom alarm and saturation signal levels		
Alarm: Values (mA) the transmitter outputs if it detects a gross malfunction condition.		
Saturation: Values (mA) the transmitter outputs if applied pressure goes outside the 4–20 mA range values. If option C5 or C7 is ordered, fill out the respective custom alarm and saturation values.		
Alarm and saturation levels are defined by option codes:	Alarm value:	Saturation value:
No option = Standard, high	≥ 21.75 mA	= 20.80 mA
C8 = Standard, low	≤ 3.75 mA	= 3.90 mA
C4 = NAMUR, high	≥ 22.50 mA	= 20.50 mA
CN = NAMUR, low	≤ 3.60 mA	= 3.80 mA
C5 = Custom, high	Enter value (20.20 – 23.00) _____ (mA)	(20.10 – 21.50) _____ (mA)
C7 = Custom, low	Enter value (3.60 – 3.80) _____ (mA) ⁽¹⁾	(3.70 – 3.90) _____ (mA) ⁽¹⁾

1. High alarm must be 0.1 mA greater than high saturation value.

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Questions?

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