

Configuration Data Sheet

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Rosemount 2051

Rosemount 2051 Configuration Data Sheet

For 4-20 mA HART Output Only

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 Signoff: _____	

Tagging
Hardware Tag: _____
Software Tag: _____

Output Information				
Pressure Units:	<input type="radio"/> inH2O	<input type="radio"/> psi ★	<input type="radio"/> Pa	<input type="radio"/> ftH2O
	<input type="radio"/> inHg	<input type="radio"/> bar	<input type="radio"/> kPa	<input type="radio"/> g/cm ²
	<input type="radio"/> mbar	<input type="radio"/> Torr	<input type="radio"/> mmH ₂ O	<input type="radio"/> inH ₂ O at 4 °C
	<input type="radio"/> Atm	<input type="radio"/> kg/cm ²	<input type="radio"/> mmHg	<input type="radio"/> mmH ₂ O at 4 °C
Analog Output:	<input type="radio"/> Linear★	<input type="radio"/> Square Root		
Range Points: 4mA = _____	(0★)	20mA = _____	(URL★) ⁽¹⁾	

(1) Default values may be different outside the U.S.A. Consult an Emerson Process Management Representative.

NOTE

Custom configuration information below this note requires C1 option code.

Output Information						
Damping:	<input type="radio"/> 0.00 seconds	<input type="radio"/> 0.05 seconds	<input type="radio"/> 0.10 seconds	<input type="radio"/> 0.20 seconds	<input type="radio"/> 0.40 seconds★	<input type="radio"/> 0.80 seconds
	<input type="radio"/> 1.60 seconds	<input type="radio"/> 3.20 seconds	<input type="radio"/> 6.40 seconds	<input type="radio"/> 12.8 seconds	<input type="radio"/> 25.6 seconds	

Transmitter Information	
Descriptor: _____	(16 characters)
Message: _____	(32 characters)
Date: _____	(Date of Calibration★)

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Signal Selection

- 4–20 mA with simultaneous digital signal based on HART protocol★
 - Burst mode of HART digital process variable
 - Burst mode output options:
 - Primary variable
 - All dynamic variables in engineering units
 - Primary variable in percent of range and mA
 - All dynamic variables in engineering units and the primary variable mA value
 - Multidrop Communication
- Transmitter Address (1-15): _____ (default = 0)

LCD Information⁽¹⁾

LCD Display Type:

- Eng. Units only
- % of Range only
- Custom Display only⁽²⁾
- Alternate Eng. Units &% of Range ★
- Alternate Eng. Units & Custom Display⁽²⁾
- Alternate % of Range & Custom Display⁽²⁾

(1) Option M5 must be selected within the transmitter model code.

(2) LCD Custom Display Configuration information must be completed.

LCD Custom Display Configuration: (Required if "Custom Display" is selected as LCD Display Type under LCD Information)

Enter Lower Range Value (Include decimal point) _____ (+000.00 ★)

Enter Upper Range Value (Include decimal point) _____ (+100.00 ★)

Custom Units - spaces consume A-Z, 0-9, /, *, %, space _____ (%RNGE ★)

Custom Display Transfer Function (Independent of Analog Output) Linear★ Square Root

Hardware Selectable Information

Alarm Option⁽¹⁾: High★ Low

Local Zero and Span⁽²⁾: Enabled Disabled★

Transmitter Security: Off ★ On

(1) Specify C4 or CN Option in model structure when ordering NAMUR-compliant alarm and saturation limits.

(2) Specify D4 option in model structure to enable local zero and span functionality.

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