

Rosemount™ 5408 and 5408:SIS Level Transmitters Configuration Data Sheet

★ = Default value

- Only one of the listed items can be selected.
- One or more of the listed items can be selected.

Customer information	
Customer: _____	Contact name: _____
P.O./Reference No: _____	Fax No./Email: _____
Phone No.: _____	P.O. line item: _____
Model No.: _____	
Customer sign-off: _____	

Tagging
Hardware tag: _____ (21 characters maximum)
Short software tag: _____ (8 characters maximum)
Long software tag ⁽¹⁾ : _____ (32 characters maximum)
Node address ⁽²⁾ : _____

- 1. In FOUNDATION™ Fieldbus devices the long software tag is used for physical device tag.
- 2. Only for FOUNDATION Fieldbus devices.

Transmitter information ⁽¹⁾
Descriptor: _____ (16 characters maximum)
Message: _____ (32 characters maximum)
Date: _____ (32 characters maximum)

- 1. Only for HART® devices.

Process information				
Operating conditions	Temperature	Minimum: _____	Maximum: _____	Unit (°F/ °C): _____
	Pressure	Minimum: _____	Maximum: _____	Unit (psig/bar): _____

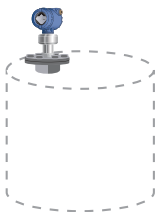
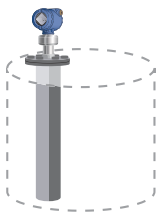
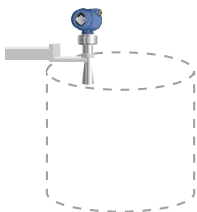
Variable mapping		
4-20mA, FOUNDATION Fieldbus⁽¹⁾		
Primary Variable (PV) assignment		
<input type="radio"/> Level* <input type="radio"/> Volume ⁽²⁾ <input type="radio"/> Distance		
Lower range value (0%): _____		
Upper range value (100%): _____		
HART		
Secondary Variable (SV) assignment:	Third Variable (TV) assignment:	Fourth Variable (QV) assignment:
<input type="radio"/> None* <input type="radio"/> Signal quality ⁽³⁾	<input type="radio"/> None* <input type="radio"/> Signal quality ⁽³⁾	<input type="radio"/> None* <input type="radio"/> Signal quality ⁽³⁾
<input type="radio"/> Level <input type="radio"/> Level rate	<input type="radio"/> Level <input type="radio"/> Level rate	<input type="radio"/> Level <input type="radio"/> Level rate
<input type="radio"/> Distance <input type="radio"/> Signal strength	<input type="radio"/> Distance <input type="radio"/> Signal strength	<input type="radio"/> Distance <input type="radio"/> Signal strength
<input type="radio"/> Volume <input type="radio"/> % of Range	<input type="radio"/> Volume <input type="radio"/> % of Range	<input type="radio"/> Volume <input type="radio"/> % of Range
<input type="radio"/> Electronics temperature	<input type="radio"/> Electronics temperature	<input type="radio"/> Electronics temperature

1. For FOUNDATION Fieldbus devices the Primary Variable assignment is used only for % of Range on the LCD display, and is required whenever the % of Range is selected in the LCD display configuration table.

2. Not available as Primary Variable (PV) for Rosemount 5408:SIS.

3. Only available with DA1 and D01 Smart Diagnostics Suite.

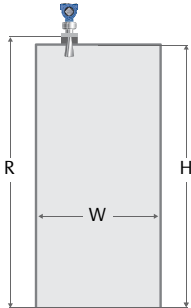
Unit-related information		
Length units:	Volume units:	Temperature units:
<input type="radio"/> feet <input type="radio"/> centimeters	<input type="radio"/> cubic feet <input type="radio"/> oil barrels	<input type="radio"/> °F <input type="radio"/> °C
<input type="radio"/> inches <input type="radio"/> millimeters	<input type="radio"/> cubic inches <input type="radio"/> cubic meters	
<input type="radio"/> meters	<input type="radio"/> US gallons <input type="radio"/> liters	

Mounting type		
<input type="radio"/> Nozzle* 	<input type="radio"/> Still-pipe 	<input type="radio"/> Bracket (open-air) 
Nozzle inner diameter: _____	Pipe inner diameter: _____	Distance from the wall ⁽¹⁾ : _____
Nozzle length: _____	Pipe height: _____	
Nozzle distance from tank wall ⁽¹⁾ : _____		

1. The distance is measured from the center axis of the antenna/nozzle.

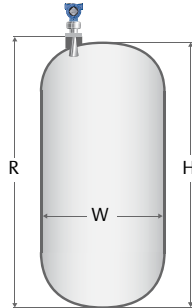
Tank shape and geometry

Vertical cylinder



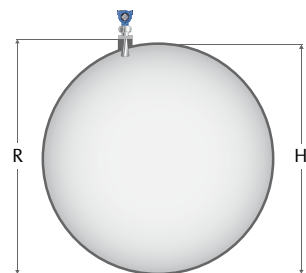
Height of tank (H): _____
 Reference height (R): _____
 Width of tank (W)⁽¹⁾: _____

Vertical cylinder (bullet ends)



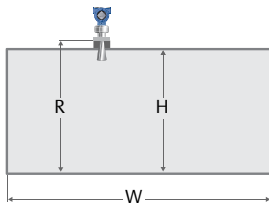
Height of tank (H): _____
 Reference height (R): _____
 Width of tank (W)⁽¹⁾: _____

Spherical tank



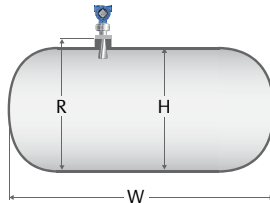
Height of tank (H): _____
 Reference height (R): _____

Horizontal cylinder



Height of tank (H): _____
 Reference height (R): _____
 Width of tank (W)⁽¹⁾: _____

Horizontal cylinder (bullet ends)



Height of tank (H): _____
 Reference height (R): _____
 Width of tank (W)⁽¹⁾: _____

1. Optional, only applicable for volume calculation by tank dimensions.

Environment

Process conditions: Foam Turbulent surface

Maximum level rate: Default* 6 ft (2 m)/min 6 ft (2 m)/hour
 40 ft (12 m)/min 12 ft (4 m)/hour
 40 ft (12 m)/hour

Process media: _____

Product dielectric range: Default* <2.5 (e.g. oil-based) 2.5-4.0 (e.g. oil-based) 4.0-10.0 (e.g. alcohol, acids) >10.0 (e.g. water-based)

LCD display configuration - only if M5 "LCD display" is ordered

Default*

User selectable:

- Level
- Distance
- Volume
- Electronics temperature
- Signal quality⁽¹⁾
- Level rate
- Signal strength
- % of range⁽²⁾

1. Only available with DA1 and D01 Smart Diagnostics Suite.

2. Available for FOUNDATION Fieldbus devices when the Primary Variable, Lower range value, and Upper range value are assigned in the Variable mapping table.

Write protection	
Software write protect:	<input type="radio"/> Enabled <input type="radio"/> Disabled*

Volume calculation (if applicable)	
Volume is calculated based on ideal tank shapes or by a strapping table.	
Volume calculation method:	<input type="radio"/> None* <input type="radio"/> Tank dimensions <input type="radio"/> Strapping table (must complete strapping table)

Strapping table



Strap point number	Level	Volume
1 (Bottom of tank)		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Global Headquarters

Emerson Automation Solutions

6021 Innovation Blvd.

Shakopee, MN 55379, USA




 +1 800 999 9307 or +1 952 906 8888 +1 952 949 7001 RFQ.RMD-RCC@Emerson.com

North America Regional Office

Emerson Automation Solutions

8200 Market Blvd.

Chanhassen, MN 55317, USA



 +1 800 999 9307 or +1 952 906 8888 +1 952 949 7001 RMT-NA.RCCRFQ@Emerson.com

Latin America Regional Office

Emerson Automation Solutions

1300 Concord Terrace, Suite 400

Sunrise, FL 33323, USA

 +1 954 846 5030 +1 954 846 5121 RFQ.RMD-RCC@Emerson.com



Europe Regional Office

Emerson Automation Solutions Europe GmbH

Neuhofstrasse 19a P.O. Box 1046

CH 6340 Baar

Switzerland




 +41 (0) 41 768 6111 +41 (0) 41 768 6300 RFQ.RMD-RCC@Emerson.com

Asia Pacific Regional Office

Emerson Automation Solutions Asia Pacific Pte Ltd

1 Pandan Crescent

Singapore 128461

 +65 6777 8211 +65 6777 0947 Enquiries@AP.Emerson.com



Middle East and Africa Regional Office

Emerson Automation Solutions

Emerson FZE P.O. Box 17033

Jebel Ali Free Zone - South 2

Dubai, United Arab Emirates

 +971 4 8118100 +971 4 8865465 RFQ.RMTMEA@Emerson.com[Linkedin.com/company/Emerson-Automation-Solutions](https://www.linkedin.com/company/Emerson-Automation-Solutions)[Twitter.com/Rosemount_News](https://twitter.com/Rosemount_News)[Facebook.com/Rosemount](https://www.facebook.com/Rosemount)[Youtube.com/user/RosemountMeasurement](https://www.youtube.com/user/RosemountMeasurement)

Emerson Terms and Conditions of Sale are available upon request.
The Emerson logo is a trademark and service mark of Emerson Electric Co. Rosemount is a mark of one of the Emerson family of companies. All other marks are the property of their respective owners.

© 2019 Emerson. All rights reserved.