Rosemount 8712 D/H and 8732C Configuration Data Sheet

CONFIGURATION DATA SHEET
(Unless otherwise specified, transmitter will be shipped as ★*Default Factory Configuration*).

Customer: _____ P.O No: _____

Transmitter Model No: _____ Line Item: _____
Transmitter Tag Name:
|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|
Transmitter Tag (Software): |__|__|__|__|__|__|__|__| (8 characters maximum)

OUTPUT INFORMATION (Minimum Information Necessary for Startup)

Fluid Description = _____

Units = ☐ ★ ***Ft/Sec***

Gal/Sec	Gal/Min	Gal/Hr	Gal/Day
Liters/Sec	Liters/Min	Liters/Hr	Liters/Day
Imp. Gal/Sec	Imp. Gal/Min	Imp. Gal/Hr	Imp. Gal/Day
CuMeters/Sec	CuMeters/Min	CuMeters/Hr	CuMeters/Day
		Meters/Sec	

Special (Fill out the information in the box below. Examples on back side.)

①Volume Units = |__|__|__|__|
(4 characters)
②Base Units
Gallons Imp. Gallons
Liters Cubic Meters
Feet Meters
③Conversion No. _____
④Time Base
Hours Minute
Day Second
⑤Rate Units = |__|__|__|__|
(4 characters)

20 mA (Full Scale) Value = ★ ***30 ft/sec*** _____
4mA (Zero) Value = ★ ***0.0 ft/sec*** _____
Damping = ★ ***2.0 seconds*** _____

Flowrate Display	★ ***Eng Units and % span***	Eng Units and Gross Total	% Span and Gross Total
Totalizer Display	★ ***Net and Gross***	Forward and Reverse	

Hardware Jumpers

A) Write Protect	***Off***	On
B) Analog Loop Power	***Internal***	External
C) Alarm Option	***High***	Low

Flowtube Size = _____ .15 – 60" **3"**

Flowtube Calibration No.: |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__| 16 Digits from flowtube ***1000005010000000***

SST Flowtube Tag No.: _____

AUXILIARY OUTPUT INFORMATION (Not Required for Typical Start-up)

Empty Pipe Functionality:
Off
On

Pulse Scaling:
.03 ft
1 Pulse = _____ units

Auxiliary Output Control:
Zero Flow
Reverse Flow

Low Flow Cutoff:
_____ ***0.1 ft/sec***

Pulse Width:
_____ ***0.5 m/s***

Operation Mode:
Normal
Filter (Operating Mode for 8712H is not available.)

Coil Pulse Mode:
6 Hz
30 Hz (Coil Pulse Mode for 8712H is preset at the factory.)

Signal Processing:
Off
On

_____ ***90*** No. Samples
_____ ***2*** Max.% Limit %
_____ ***2*** Time Limit Sec

FLOWTUBE INFORMATION (Data Only – Does Not Affect Transmitter Output)

Descriptor: |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__| (16 characters maximum) Date (day/month/year): |__|__| |__|__| |__|__|

Message:
|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__| (32 characters maximum)

Flowtube Tag No. (Software): |__|__|__|__|__|__|__|__| (8 characters maximum)

Flowtube Serial No: |__|__|__|__|__|__|__| (7 characters maximum)

Enter either the Rosemount flowtube model number or select one option from each of the following groups of options:
Flowtube Model No._____
Or:

Electrode Material:
★316 SST
Titanium
Alloy-20
Hastelloy C®
Tantalum
Platinum-Iridium
Special

Electrode Type:
★ Standard
Bullet
Ultrasonic
Standard, plus Grounding
Special

Flange Material:
★Carbon Steel
Standard
304 SST
Special

Liner Material:
***★Teflon®* (PTFE)**
Tefzel® (ETFE)
Polyurethane
Ryton®
Ceramic
Neoprene
Special

★ 4–20 mA, scaled pulse, and auxiliary output with simultaneous digital signal based on HART® protocol (Rosemount 8712H only)
★ 4–20 mA and scaled pulse with simultaneous digital signal based on HART protocol (Rosemount 8732C only)
4–20 mA and auxiliary output with simultaneous digital signal based on *HART* protocol (Rosemount 8732C only)
Burst mode of *HART* digital process variable

Burst mode output options:
Primary variable in engineering units.
Primary variable in percent of range.
All dynamic variables in engineering units.
All dynamic variables in engineering units and the primary variable mA value.

Multidrop Communications(1)
Choose transmitter address (1-15)(2): _____

SPECIAL UNITS – OUTPUT INFORMATION EXAMPLE
(If applicable, complete the information on the front as shown in the examples below).

Example 1:
User wants Barrels per day
(1 Barrel = 31 gallons):

①Vol Unit = BARL
②Base Units = Gallons
③Conversion No. = 31.0
④Time Base = Day
⑤Rate Units = B/DY

Example 2:
User wants Kgs per minute
(Density = 1.05 Kg/Liter with 1 Kg = 0.9524 liters):

①Vol Unit = Kg
②Base Units = Liters
③Conversion No. = 0.9524
④Time Base = Minute
⑤Rate Units = Kg/m

(1) This option fixes the transmitter's analog output at 4 mA.

(2) Default transmitter address is 1 if multidrop communication is selected.

Rosemount 8742C Configuration Data Sheet

Unless otherwise specified, transmitter will be shipped as ★ (*default factory configuration*).

CONFIGURATION DATA SHEET

Customer:_____ P.O. No.: _____

Transmitter Model No.:_____ Item:_____

Transmitter Tag (software):

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

OUTPUT INFORMATION (Minimum Information Necessary for Startup)

Fluid Description:_____

Units =

Ft./Sec	Ft/Min	Ft/Hr	Ft/d
m/Sec	m/Min	m/Hr	m/d
Gal/Sec	Gal/Min	Gal/Hr	Gal/d
m^3/Sec	m^3/Min	m^3/Hr	m^3/d
cm^3/Sec	cm^3/Min	cm^3/Hr	cm^3/d
Ft^3/Sec	Ft^3/Min	Ft^3/Hr	Ft^3/d
Liters/Sec	Liters/Min	Liters/Hr	Liters/d
Igal/Sec	Igal/Min	Igal/Hr	Igal/d
bbl*/Sec	bbl/Min	bbl/Hr	bbl/d
cF/Sec	cF/Min	cF/Hr	cF/d
lb/Sec	*lb/Min*	*lb/Hr*	*lb/d*
kg/Sec	*kg/Min*	*kg/Hr*	*kg/d*
ton/Sec	*ton/Min*	*ton/Hr*	*ton/d*
ston/Sec	*ston/Min*	*ston/Hr*	*ston/d*

*bbl = 31.5 gal US (119 liters)

Hardware Jumpers

A) Write Protect	***Off***	On
B) Simulate	***Off***	On

Flowtube Size = _____ 0.15 – 60" ***3"***

Flowtube Calibration No. = ***1000005010000000***

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

SST Flowtube Tag No.:_____

Damping:_____
minimum 0 seconds

Density: _____ *62.4 lb/ft^3*
kg/m^3
(required for mass units only, mass units in italics)

AUXILIARY OUTPUT INFORMATION (Normally Not Required for Typical Start-up)

Coil Pulse Mode:	***5 Hz***	37.5 Hz
Empty pipe functionality:	***Off***	On
Local Display Language:	**English**	Spanish
	French	German

Low Flow Cutoff_____ft/sec ***0.04***
(minimum of 0 ft/sec for low flow cutoff)

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FLOWTUBE INFORMATION (Data Only – Does Not Affect Transmitter Output)

Descriptor: |__|__|__|

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Emerson Process Management

Rosemount Inc.
8200 Market Boulevard
Chanhassen, MN 55317 USA
T (U.S.) 1-800-999-9307
T (International) (952) 906-8888
F (952) 949-7001

www.rosemount.com

Emerson Process Management Flow
Wiltonsraat 30
3905 KW Veenendaal
The Netherlands
T +31 (0) 318 495 555
F +31 (0) 318 495 556

Emerson Process Management
Singapore Pte Ltd.
1 Pandan Crescent
Singapore 128461
Tel (65) 777-8211
Fax (65) 777-0947
Enquiries@AP.EmersonProcess.com

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