

Configuration defaults for Rosemount 3051S MultiVariable and Rosemount 3051SF Flowmeters ⁽¹⁾				
	Compensated mass flow measurement		Direct process variable measurement	
Flowmeter type:	3051SF_1	3051SF_2	3051SF_5	3051SF_6
Transmitter type:	3051SMV_M1	3051SMV_M2	3051SMV_P1	3051SMV_P2
Temperature configuration: ⁽²⁾	Lower sensor limit = -328 °F (-200 °C)		Lower sensor limit = -328 °F (-200 °C)	
	Upper sensor limit = 1562 °F (850 °C)		Upper sensor limit = 1562 °F (850 °C)	
	Mode = Normal			
Digital display:	DP, SP, PT, Mass flow	DP, SP, Mass flow	DP, SP, PT	DP, SP
Security switch ⁽²⁾ :	Disable		Disable	
Simulation switch ⁽²⁾ :	Enable		Enable	
Atmospheric pressure ⁽¹⁾ :	14.696 psia		14.696 psia	
Low flow cutoff ⁽²⁾ :	0.05 inH ₂ O		N/A	
SP = Static pressure (gage or absolute), DP = Differential pressure, ST = Sensor module temperature, PT = Process temperature, N/A = Not applicable				

- For mass flow transmitters with a C2 option and DP Flowmeters, a DP Flow [Configuration Data Sheet](#) is also required.
- A C2 option is required if settings other than defaults are desired.

C2 option configuration information

Note

The following fields are only required if “M” mass flow option code is selected and apply for a C2 option.

Digital display information ⁽¹⁾		
<input type="checkbox"/> Differential pressure	<input type="checkbox"/> Gage pressure	<input type="checkbox"/> Absolute pressure
<input type="checkbox"/> Process temperature	<input type="checkbox"/> Flow rate ⁽²⁾	<input type="checkbox"/> Sensor module temperature

- Choose a maximum of four options.
- Only available for mass flow transmitters - multivariable type: M on Rosemount 3051SMV.

Temperature sensor matching		
<input type="radio"/> Pt 100 $\alpha = 0.00385$ RTD per IEC 751*	<input type="radio"/> Sensor matching α, β, δ	<input type="radio"/> Sensor matching A, B, C
Fill in Callendar-Van Dusen constants below for sensor matching α, β, δ or A, B, C.		
Callendar-Van Dusen constants:	R ₀ : _____	A/ α : _____
	B/ β : _____	C/ δ : _____
Process temperature configuration:	Lower sensor limit: _____ (-328 °F [-200 °C]*)	Upper sensor limit: _____ (1562 °F [850 °C]*)

Variable damping (0–60 seconds)		
Differential pressure: _____ (0.40 sec.*)	Static pressure: _____ (0.40 sec.*)	Process temperature: _____ (5.00 sec.*)

Hardware configuration		
Security:	<input type="radio"/> Enable	<input type="radio"/> Disable*
Simulation:	<input type="radio"/> Enable*	<input type="radio"/> Disable

C2 option flow configuration information

Flow configuration unit of measure				
<input type="radio"/> Grams/second	<input type="radio"/> Metric tons/second	<input type="radio"/> Pounds/day	<input type="radio"/> Normal cubic meters/second	<input type="radio"/> Standard cubic meters/minute
<input type="radio"/> Grams/minute	<input type="radio"/> Metric tons/minute	<input type="radio"/> Short tons/second	<input type="radio"/> Normal cubic meters/minute	<input type="radio"/> Standard cubic meters/hour
<input type="radio"/> Grams/hour	<input type="radio"/> Metric tons/hour	<input type="radio"/> Short tons/minute	<input type="radio"/> Normal cubic meters/hour	<input type="radio"/> Standard cubic meters/day
<input type="radio"/> Kilograms/second	<input type="radio"/> Metric tons/day	<input type="radio"/> Short tons/hour	<input type="radio"/> Normal cubic meters/day	
<input type="radio"/> Kilogram/minute	<input type="radio"/> Pounds/second*	<input type="radio"/> Short tons/day	<input type="radio"/> Thousands of Standard cubic feet/day	
<input type="radio"/> Kilogram/hour	<input type="radio"/> Pounds/minute	<input type="radio"/> Standard cubic feet/minute	<input type="radio"/> Millions of Standard cubic feet/day	
<input type="radio"/> Kilogram/day	<input type="radio"/> Pounds/hour	<input type="radio"/> Standard cubic feet/hour	<input type="radio"/> Standard cubic meters/second	
Flow configuration parameters/settings				
Low flow cut-off:	DP = _____ (0.05 inH ₂ O*)			
	<input type="radio"/> Normal*			
Temperature sensor mode:	<input type="radio"/> Backup temperature value: _____			
	<input type="radio"/> Fixed temperature value: _____			

Global Headquarters

Emerson Process Management

6021 Innovation Blvd.
Shakopee, MN 55379, USA
+1 800 999 9307 or +1 952 906 8888
+1 952 949 7001
RFQ.RMD-RCC@EmersonProcess.com

North America Regional Office

Emerson Process Management

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 Process Management

1300 Concord Terrace, Suite 400
Sunrise, FL 33323, USA
+1 954 846 5030
+1 954 846 5121
RFQ.RMD-RCC@EmersonProcess.com

Europe Regional Office

Emerson Process Management 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@EmersonProcess.com

Asia Pacific Regional Office


Emerson Process Management Asia Pacific Pte Ltd


1 Pandan Crescent
Singapore 128461
+65 6777 8211
+65 6777 0947
Enquiries@AP.EmersonProcess.com

Middle East and Africa Regional Office


Emerson Process Management


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-Process-Management](https://www.linkedin.com/company/Emerson-Process-Management)

 [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)

 [Google.com/+RosemountMeasurement](https://www.google.com/+RosemountMeasurement)

Standard Terms and Conditions of Sale can be found at:
www.Emerson.com/en-us/pages/Terms-of-Use.aspx
The Emerson logo is a trademark and service mark of Emerson Electric Co.
MultiVariable, Rosemount, and Rosemount logotype are trademarks of Emerson
Process Management.
FOUNDATION Fieldbus is a trademark of the FieldComm Group.
All other marks are the property of their respective owners.
© 2016 Emerson Process Management. All rights reserved.