

Configuration Data Sheet

ROSEMOUNT 3095FB

Product Discontinued

★ = Default

Information	
Customer:	Contact Name:
Customer Phone:	Customer Fax:
Customer Approval Sign-Off:	Customer PO:
Model No ⁽¹⁾	SST Tag:
Transmitter Information (optional)	
Software Tag: _____ (8 characters)	
Descriptor: _____ (16 characters)	
Message: _____ _____ (32 characters)	
Date: Day ___ (numeric) Month ___ (numeric) Year ___ (numeric)	
Transmitter Information	
Transmitter Address _____ (Range 1★ – 247)	
Baud Rate (Select one) <input type="checkbox"/> 1200 <input type="checkbox"/> 2400 <input type="checkbox"/> 4800 <input checked="" type="checkbox"/> 9600 ★	
Process Temperature Setup	
Temperature mode options:	
<input type="radio"/> Normal - The transmitter will report the measured RTD temperature value.	
<input type="radio"/> Fixed/Backup - The transmitter reports the Fixed/Backup temperature value if the RTD fails or in the absence of an RTD measurement	
Enter a value to be used for Backup (RTD Failure) or Fixed (No RTD):	
Fixed/Backup Temperature _____ (Units are selected in the "Outputs" section below)	
Outputs	
Units:	
Differential Pressure: <input type="checkbox"/> inH ₂ O @ 60°F (Inches of Water @ 60°F)★ <input type="checkbox"/> kPa (Kilopascals) <input type="checkbox"/> PA (Pascals) <input type="checkbox"/> inH ₂ O @ 68 °F	
Static Pressure: <input type="checkbox"/> PSI (Pounds per square inch)★ <input type="checkbox"/> kPa (Kilopascals) <input type="checkbox"/> MPa (Megapascals)	
Process Temperature: <input type="checkbox"/> °Fahrenheit ★ <input type="checkbox"/> °Celsius	
Trim Value	<u>Lower (LTV)</u> <u>Upper (UTV)</u> <u>Default Values</u>
Differential Pressure:	_____ _____ LRL, URL ★
Static Pressure:	_____ _____ atmosphere, URL (absolute) ★
Process Temperature:	_____ _____ 0, URL (gage) ★, LRL, URL ★

Rosemount 3095 MultiVariable™ with MODBUS Protocol

Configuration Data Sheet

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★ = Default

Operation Limit	<u>Low</u>	<i>Product Discontinued</i>					
Differential Pressure:	_____					0, URL ★	
Static Pressure:	_____	_____	_____	_____			
Process Temperature:	_____	_____	_____	_____	LRL, URL ★		

Lower and upper operating limits must be within the minimum and maximum range limits as stated in the Range Limits Table (see page 3).

(1) A complete model number is required before Rosemount Inc. can process the order.

★ = Default

Damping (in seconds)						
Differential Pressure: (select one)	<input type="checkbox"/> 0.108	<input type="checkbox"/> 0.216	<input type="checkbox"/> 0.432			
	<input checked="" type="checkbox"/> 0.864 ★	<input type="checkbox"/> 1.728	<input type="checkbox"/> 3.456			
	<input type="checkbox"/> 6.912	<input type="checkbox"/> 13.824	<input type="checkbox"/> 27.648			
Static Pressure: (select one)	<input type="checkbox"/> 0.108	<input type="checkbox"/> 0.216	<input type="checkbox"/> 0.432			
	<input checked="" type="checkbox"/> 0.864 ★	<input type="checkbox"/> 1.728	<input type="checkbox"/> 3.456			
	<input type="checkbox"/> 6.912	<input type="checkbox"/> 13.824	<input type="checkbox"/> 27.648			
Process Temperature: (select one)	<input type="checkbox"/> 0.108	<input type="checkbox"/> 0.216	<input type="checkbox"/> 0.432			
	<input checked="" type="checkbox"/> 0.864 ★	<input type="checkbox"/> 1.728	<input type="checkbox"/> 3.456			
	<input type="checkbox"/> 6.912	<input type="checkbox"/> 13.824	<input type="checkbox"/> 27.648			

For Rosemount Use Only	
S.O.:	LI
CHAMP:	DATE:
	ADMIN:

Units	3095FB MultiVariable Transmitter with MODBUS Protocol Range Limits							
	Range 2 DP Span		Range 3 DP Span		Range 3 (AP) Range C (GP) Span		Range 4 (AP) Range D (GP) Span	
	min.	max	min.	max	min.	max	min.	max
inH ₂ O	2.5	250	10	1000	221.837	22183.7	1005.48	100548.5
psi	0.09016	9.0156	0.36063	360.63	8	800	36.26	3626.
Pa	621.606	62160.6	2486.42	249089	55158.1	5515811	250004	25000400
kPa	0.62161	62.1606	2.48842	249.089	55.1581	5515.81	250.004	25000.4
MPa	0.000622	0.062161	0.002488	.249089	0.055158	5.51581	0.250004	25.0004

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**Rosemount 3095 MultiVariable™
with MODBUS Protocol**

ROSEMOUNT 3095FC

Product Discontinued

★ = Default

Information	
Customer:	Contact Name:
Customer Phone:	Customer Fax:
Customer Approval Sign-Off:	Customer PO:
Model No (1)	
Tag Information (optional)	
Wired Tag: (5 lines of 17 characters)	_____

Permanent (3 lines of 25 characters):	_____

Meter I.D. (10 characters)	_____
Meter Description (30 characters)	_____

Transmitter Information	
Engineering Units	<input type="checkbox"/> U.S. ★ <input type="checkbox"/> Metric
Differential Pressure: inH₂O inH ₂ O at 60 °F ★	kPa kPa
Static Pressure: psi psi ★	kPa
Process Temperature: °F Fahrenheit ★	°C Celsius
Flow Foot ³ / hour ★	Meter ³ / hour
Station Name (20 characters) (3095FC ★)	_____
Meter Address	_____ 1 ★ (1 – 255)
Group	_____ 2 ★ (1 – 255)
Baud Rate	_____ (600, 1200, 2400, 4800, 9600 ★, 19.2K)

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Meter Setup			
	Pipe ID: _____ (in / mm) at _____ reference temperature (°F / °C)		
Pipe Material:	<input type="checkbox"/> Carbon Steel ★ <input type="checkbox"/> SST <input type="checkbox"/> Monel		
	Orifice Plate ID: _____ (in / mm) at _____ reference temperature °F / °C)		
Orifice Material:	<input type="checkbox"/> Carbon Steel <input type="checkbox"/> SST ★ <input type="checkbox"/> Monel		
Low Flow Cutoff:	_____ (inH ₂ O / kPa)		
Averaging Technique:	<input type="checkbox"/> Flow Dependent Linear ★ <input type="checkbox"/> Flow Weighted Linear		
	<input type="checkbox"/> Flow Dependent Formulaic <input type="checkbox"/> Flow Weighted Formulaic		
Choose desired characterization method and only enter values for that method.			
<input type="checkbox"/> Detail Characterization Method (AGA8 1992) ★			Default Value ★
N ₂	Nitrogen mole percent	_____ %	1
CO ₂	Carbon Dioxide mole percent	_____ %	0
C1	Methane mole percent	_____ %	96
C2	Ethane mole percent	_____ %	3
C3	Propane mole percent	_____ %	0
nC4	n-Butane mole percent	_____ %	0
iC4	i-Butane mole percent	_____ %	0
nC5	n-Pentane mole percent	_____ %	0
iC5	i-Pentane mole percent	_____ %	0
C6	Hexane	_____ %	0
C7	Heptane	_____ %	0
C8	Octane	_____ %	0
C9	Nonane	_____ %	0
C10	Decane	_____ %	0
H ₂ S	Hydrogen Sulfide mole percent	_____ %	0
H ₂ O	Water mole percent	_____ %	0
He	Helium	_____ %	0
O ₂	Oxygen mole percent	_____ %	0
CO	Carbon monoxide mole percent	_____ %	0
H ₂	Hydrogen mole percent	_____ %	0
<input type="checkbox"/> Gross Characterization Method, Option Code 1 (AGA8 Gr-Hv-CO ₂)			
Specific Gravity	<input type="checkbox"/> Auto Calculate	<input type="checkbox"/> Specific Value _____	
Heating Value	<input type="checkbox"/> Auto Calculate	<input type="checkbox"/> Specific Value _____	
Units	<input type="checkbox"/> BTU/Lb	<input type="checkbox"/> BTU/CF	
Basis	<input type="checkbox"/> Dry	<input type="checkbox"/> Wet	
CO ₂ Mole %	_____ %		
H ₂ Mole %	_____ %		
CO Mole %	_____ %		
<input type="checkbox"/> Gross Characterization Method, Option Code 2 (AGA8 Gr-CO ₂ -N ₂)			
Specific Gravity	<input type="checkbox"/> Auto Calculate	<input type="checkbox"/> Specific Value _____	
Heating Value	<input type="checkbox"/> Auto Calculate	<input type="checkbox"/> Specific Value _____	
Units	<input type="checkbox"/> BTU/Lb	<input type="checkbox"/> BTU/CF	
Basis	<input type="checkbox"/> Dry	<input type="checkbox"/> Wet	
N ₂ Mole %	_____ %		
CO ₂ Mole %	_____ %		
H ₂ Mole %	_____ %		
CO Mole %	_____ %		

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**Rosemount 3095 MultiVariable™
with MODBUS Protocol**

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Product Discontinued

Pressure Tap

- Gauge ★
- Absolute
- Downstream

Base Conditions

- Base Pressure: _____ (14.73 psi★ / 101.56 kPa)
- Base Temperature: _____ (60 °F★ / 15.56 °C)
- Elevation: _____ (500 feet★ / 152.4 meters)
- Latitude: _____ (35 degrees ★)
- Viscosity: _____ (0.010268 Cp ★)
- Sp Heat Ratio: _____ (1.3 ★)

Atmospheric Pressure

- Calculate based on entered parameters
- Enter ★ _____ (14.45 psi ★ / 99.63 kPa)

Flow Alarms

- Disable ★
- Enable
- Low Alarm _____ (MCF/day / km³/day)
- High Alarm _____ (MCF/day / km³/day)

PV Fault Values

- DP: Last Good Value ★ User-Specified Fault Value _____
- SP: Last Good Value ★ User-Specified Fault Value _____
- T: Last Good Value ★ User-Specified Fault Value _____

History

Contract Hour: _____ (0 – 23 integer) (0 = midnight ★)

Logged Parameters (Select any number of variables. Selected parameters apply to both daily logs and variable logs.)

- Total Flow ★ Minimum Static Pressure Other: _____
- Total Flow Time ★ Average Process Temperature ★ Other: _____
- Total Energy ★ Average Heating Value Other: _____
- Average Flow Rate Average Compressibility Factor Other: _____
- Average Energy Rate Average Integral Value Other: _____
- Average Differential Pressure ★ Average C Prime or Integral Multiplier Value (IMV)★ Other: _____
- Maximum Differential Pressure Specific Gravity (Relative Density) Other: _____
- Minimum Differential Pressure Maximum Process Temperature Other: _____
- Average Static Pressure ★ Minimum Process Temperature Other: _____
- Maximum Static Pressure Uncorrected Flow Rate★

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LCD Display Information (Only enter if LCD meter ordered)

Display Parameters (Select any number)

Product Discontinued

- | | | |
|---|--|---------------------------------------|
| <input type="checkbox"/> Flow Rate ★ | <input type="checkbox"/> Mole Percent CO ₂ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Differential Pressure ★ | <input type="checkbox"/> Mole Percent N ₂ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Totalized Flow Today | <input type="checkbox"/> Orifice Bore at 68 °F | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Totalized Flow Yesterday | <input type="checkbox"/> Date and Time ★ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Static Pressure ★ | <input type="checkbox"/> Heating Value | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Temperature ★ | <input type="checkbox"/> Specific Gravity (Relative Density) | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Energy Flow Rate ★ | | |
| <input type="checkbox"/> Totalized Energy Today | | |

Special Calibration (Optional)

Default values indicate standard calibration. Enter lower trim and upper trim values if special calibration is desired:

Trim Value	Lower (LTV)	Upper (UTV)	Default Values
Differential Pressure:	_____	_____	0, URL ★
Static Pressure:	_____	_____	0, URL ★
Process Temperature (fixed):	-40	464	°F ★

For Rosemount Use Only

S.O.:	LI
CHAMP:	DATE:
	ADMIN:

3095FC Flow Transmitter Range Units

Units	Differential Pressure Range 2 Span		Units	Absolute Pressure Range 3 Span		Absolute Pressure Range 4 Span	
	min	max		min	max	min	max
in H ₂ O	2.5	250	psia	150	800	40	4000
kPa	0.62161	62.1606	MPa	0.05516	5.51581	0.275791	27.5790
in H ₂ O ⁽¹⁾	10	1000					
kPa ⁽¹⁾	2.48	248.64					

(1) Range 3.

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