

Configuration Data Sheet

ROSEMOUNT 3095FB

★ = 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) 1200 2400 4800 9600 ★

Outputs

Units:

Differential Pressure: inH₂O @ 60°F (Inches of Water @ 60°F)★ kPa (Kilopascals)
 PA (Pascals) inH₂O @ 68 °F

Static Pressure: PSI (Pounds per square inch)★ kPa (Kilopascals) MPa (Megapascals)

Process Temperature: °Fahrenheit ★ °Celsius

Trim Value	Lower (LTV)	Upper (UTV)	Default Values
Differential Pressure:	_____	_____	LRL, URL ★
Static Pressure:	_____	_____	atmosphere, URL (absolute) ★
Process Temperature:	_____	_____	0, URL (gage) ★, LRL, URL ★

Operation Limit	Lower	Upper	Default Values
Differential Pressure:	_____	_____	0, URL ★
Static Pressure:	_____	_____	0, URL ★
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.

Product Data Sheet

00813-0100-4738, Rev GB

Catalog 2006 - 2007

Rosemount 3095

★ = Default

Damping (in seconds)			
Differential Pressure:	<input type="checkbox"/> 0.108	<input type="checkbox"/> 0.216	<input type="checkbox"/> 0.432
(select one)	<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:	<input type="checkbox"/> 0.108	<input type="checkbox"/> 0.216	<input type="checkbox"/> 0.432
(select one)	<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:	<input type="checkbox"/> 0.108	<input type="checkbox"/> 0.216	<input type="checkbox"/> 0.432
(select one)	<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

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

3095FB MultiVariable Transmitter with MODBUS Protocol Range Limits								
Units	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

ROSEMOUNT 3095FC

★ = 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:	inH ₂ O at 60 °F★	kPa
Static Pressure:	psi ★	kPa
Process Temperature:	°Fahrenheit ★	°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: Carbon Steel ★ SST Monel
 Orifice Plate ID: _____ (in / mm) at _____ reference temperature °F / °C)
 Orifice Material: Carbon Steel SST ★ Monel
 Low Flow Cutoff: _____ (inH₂O / kPa)
 Averaging Technique: Flow Dependent Linear ★ Flow Weighted Linear
 Flow Dependent Formulaic Flow Weighted Formulaic

Choose desired characterization method and only enter values for that method.

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

Gross Characterization Method, Option Code 1 (AGA8 Gr-Hv-CO₂)

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 %	_____ %	

Gross Characterization Method, Option Code 2 (AGA8 Gr-CO₂-N₂)

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 %	_____ %	

Rosemount 3095

★ = Default

Pressure Tap

- Gauge ★ Upstream ★
 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 – 24 integer) (0 = midnight ★)

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

- | | | |
|--|--|---------------------------------------|
| <input type="checkbox"/> Total Flow ★ | <input type="checkbox"/> Minimum Static Pressure | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Total Flow Time ★ | <input type="checkbox"/> Average Process Temperature ★ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Total Energy ★ | <input type="checkbox"/> Average Heating Value | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Average Flow Rate | <input type="checkbox"/> Average Compressibility Factor | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Average Energy Rate | <input type="checkbox"/> Average Integral Value | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Average Differential Pressure ★ | <input type="checkbox"/> Average C Prime or Integral Multiplier Value (IMV)★ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Maximum Differential Pressure | <input type="checkbox"/> Specific Gravity (Relative Density) | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Minimum Differential Pressure | <input type="checkbox"/> Maximum Process Temperature | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Average Static Pressure ★ | <input type="checkbox"/> Minimum Process Temperature | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Maximum Static Pressure | <input type="checkbox"/> Uncorrected Flow Rate★ | |

Product Data Sheet

00813-0100-4738, Rev GB
 Catalog 2006 - 2007

Rosemount 3095

LCD Display Information (Only enter if LCD meter ordered.)

Display Parameters (Select any number of variables.)

- | | | |
|---|--|---------------------------------------|
| <input type="checkbox"/> Flow Rate ★ | <input type="checkbox"/> Totalized Energy Yesterday | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Differential Pressure ★ | <input type="checkbox"/> Mole Percent CO ₂ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Totalized Flow Today | <input type="checkbox"/> Mole Percent N ₂ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Totalized Flow Yesterday | <input type="checkbox"/> Orifice Bore at 68 °F | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Static Pressure ★ | <input type="checkbox"/> Date and Time ★ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Temperature ★ | <input type="checkbox"/> Heating Value | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Energy Flow Rate ★ | <input type="checkbox"/> Specific Gravity (Relative Density) | <input type="checkbox"/> Other: _____ |
| <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	<u>Lower (LTV)</u>	<u>Upper (UTV)</u>	<u>Default Values</u>
Differential Pressure:	_____	_____	0, URL ★
Static Pressure:	_____	_____	0, URL ★
Process Temperature (fixed):	<u>-40</u>	<u>464</u>	°F ★

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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.

Rosemount 3095

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Catalog 2006 - 2007

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