





## ROSEMOUNT 3095FC

★ = Default

### Information

Customer:	Contact Name:
Customer Phone:	Customer Fax:
Customer Approval Sign-Off:	Customer PO:
Model No <sup>(1)</sup>	

### 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

<b>Engineering Units</b>	<input type="checkbox"/> U.S. ★	<input type="checkbox"/> Metric
Differential Pressure:	inH <sub>2</sub> O at 60 °F★	kPa
Static Pressure:	psi ★	kPa
Process Temperature:	°Fahrenheit ★	°Celsius
Flow	Foot <sup>3</sup> / hour ★	Meter <sup>3</sup> / hour

Station Name (20 characters) (3095FC ★) \_\_\_\_\_

Meter Address \_\_\_\_\_ 1 ★ (1 – 255)

Group \_\_\_\_\_ 2 ★ (1 – 255)

Baud Rate \_\_\_\_\_ (600, 1200, 2400, 4800, 9600 ★, 19.2K)

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

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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: \_\_\_\_\_ ( inH<sub>2</sub>O / 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.

<input type="checkbox"/> Detail Characterization Method (AGA8 1992) ★			Default Value ★
N <sub>2</sub>	Nitrogen mole percent	_____ %	1
CO <sub>2</sub>	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 <sub>2</sub> S	Hydrogen Sulfide mole percent	_____ %	0
H <sub>2</sub> O	Water mole percent	_____ %	0
He	Helium	_____ %	0
O <sub>2</sub>	Oxygen mole percent	_____ %	0
CO	Carbon monoxide mole percent	_____ %	0
H <sub>2</sub>	Hydrogen mole percent	_____ %	0

Gross Characterization Method, Option Code 1 (AGA8 Gr-Hv-CO<sub>2</sub>)

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 <sub>2</sub> Mole %	_____ %	
H <sub>2</sub> Mole %	_____ %	
CO Mole %	_____ %	

Gross Characterization Method, Option Code 2 (AGA8 Gr-CO<sub>2</sub>-N<sub>2</sub>)

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 <sub>2</sub> Mole %	_____ %	
CO <sub>2</sub> Mole %	_____ %	
H <sub>2</sub> Mole %	_____ %	
CO Mole %	_____ %	

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### 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 / km<sup>3</sup>/day)  
High Alarm \_\_\_\_\_ (MCF/day / km<sup>3</sup>/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★                              |                                       |

**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 <sub>2</sub>        | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Totalized Flow Today     | <input type="checkbox"/> Mole Percent N <sub>2</sub>         | <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 ★

**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 <sub>2</sub> 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 <sub>2</sub> O <sup>(1)</sup>	10	1000					
kPa <sup>(1)</sup>	2.48	248.64					

(1) Range 3.

# Rosemount 3095

**Product Data Sheet**  
00813-0100-4738, Rev GB  
Catalog 2006 - 2007

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