

Product Code

CNG050S290NCAAEZZZ

Serial ID

15641339

Order ID

6198345

Line Item

1.1 1

Customer Tag

26031540A

Process

Detail

Process ID : 9.31282825

Process Time : 2026.02.02 13:26:28

Process Stand : SSF1E@SSCCL:1

Stand Uncertainty : +/-0.030%

Fluid : H2O

100% Rate : 38.6 KG/MIN

Pickoff : 1

Max Rate P/T : 41.62 PSIG/21.4 C

Results

Status : PASS

D1 : 0

D2 : 1

K1 : 4050.723

K2 : 4215.789

DT : 4.25

FD : 0

DTG : 0

DFQ1 : 0

DFQ2 : 0

FlowCal : 141.444.50

FFQ : 0

FTG : 0

DensCal : 04051042164.25

FCF : 141.44

FT : 4.5

(Signature)

SABIN, TAC

Technician

This certificate is produced by an electronic data system and is valid without signature.

Traceable to one or more of the following National Metrology Institutes: NIM-China, NIST-USA, and VSL-The Netherlands

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28.0.0.301 2026.03.19 10:17:34

1 / 1

Product Code

Serial ID

Order ID

Line

Item

Customer Tag

26031540A

CNG050S290NCAAEZZZ



6198345

1.1

1

1700I12ABAEZZZ

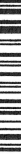


6198345

1.32

1

PUCK700



Process

Process ID : 1.39085605

Process Time : 2026.03.19 21:55:35

Process Stand : SSCB-CONFIG1@SSCB



Sensor

Units

D1 : 0

D2 : 1

DFQ1 : 0

DFQ2 : 0

DT : 4.25

DTG : 0

Dens Press Comp Factor : 0

Density Meter Factor : 1

FCF : 141.44

FD : 0

FFQ : 0

FT : 4.5

FTG : 0

Flow Cal Pressure PSI : 30

Flow Press Comp Factor : 0

K1 : 4050.723

K2 : 4215.789

Mass Flow Meter Factor : 1

Volume Flow Meter Factor : 1

Special Mass Time Unit : SEC

Special Mass Total Text : NONE

Special Volume Base Unit : L

Special Volume Conv Factor : 1

Special Volume Flow Text : NONE

Special Volume Time Unit : SEC

Special Volume Total Text : NONE

Temperature Unit : C

Volume Flow Unit : L/MIN

MVD Channel Assignments

Channel A Assignment : Milliamp (Primary) Output [#1]

Assignments

Event 1 Variable : Density

Event 2 Variable : Density

Frequency1 Scaling Method : Frequency = Flow

Frequency1 Variable : Mass Flow Rate

mA1 Variable : Mass Flow Rate

Ranges

Event 1 Setpoint : 0

Event 1 Type : Event Low (Event "OFF" if PV > SP)

Event 2 Setpoint : 0

Event 2 Type : Event Low (Event "OFF" if PV > SP)

Frequency1 Active State : Active High

Frequency1 Hertz : 1000

Frequency1 Output Mode : Single

Frequency1 Pulses/Unit : 1.554404

Frequency1 Rate : 643.3333

Frequency1 Units/Pulse : 0.64333333

mA1 LRV : 0

mA1 URV : 643.3333

Faults

Frequency1 Fault Behavior : Upscale

Units

Density Unit : G/CM3

GSV Flow Unit : SCFM

Mass Flow Unit : G/SEC

Pressure Unit : POUNDS/SQUARE INCH

Special GSV Base Time Unit : MIN

Special GSV Base Volume Unit : Standard cubic feet

Special GSV Conv Factor : 1

Special GSV Flow Unit Text : NONE

Special GSV Total Text : NONE

Special Mass Base Unit : G

Special Mass Conv Factor : 1

Special Mass Flow Text : NONE

Faults

Frequency1 Fault Value : 15000
mA1 Fault Behavior : Downscale (Default)
mA1 Fault Value : 2

Other

Calibration Process ID : 9.31282825
Core Software Rev : 35
Density Cutoff : 0.2
Density Damping : 1.6
Density High Limit : 5
Density Low Limit : 0
Direction : FORWARD
Fault Dwell Time : 0
Feature Key : 2
Flow Damping : 0.8
HART Device ID : 4963757
LD Type : 0
Mass Flow Cutoff : 1.836
Pressure Comp Line Pressure : 0
Pressure Compensation State : OFF
RS485 Baud : 1200 baud
RS485 Parity : Odd
RS485 Protocol : HART
Density Slug Duration : 0
Tag :
Temperature Damping : 4.8
Transmitter Software Rev : 80
Volume Flow Cutoff : 0.11016



Tulsa Gas Technologies, Inc.
4809 S. 101st East Ave Tulsa, OK 74146
PHONE: 918-665-2641 FAX: 918-665-2657

5/19/2026

Dispenser Serial Number 26031540
Side A

Micro Motion Transmitter Configuration

Required settings for correct operation of Micro Motion mass flow meter.

Transmitter Model Number: 2700
Sensor Model Number: CNG050
Transmitter Serial Number: 12308797
Sensor Serial Number: 15641339
Flow Calibration Factor: 141.444.50
Flow Units: LB/min

Communication on RS-485

Protocol	Modbus ASCII 7 Bit
Modbus Address	1
Baud Rate	9600
Parity	Even
Stop Bits	1

HART Communication

Superimposed on Primary mA (PV)

Analog Output (4-20 mA)

Analog Variable (PV)	Mass Flow
Lower Range Value	0.2500 lb/min
Upper Range Value	300.000 lb/min
mA Cutoff	0.0000 lb/min

Freq/Rate

Frequency variable (TV)	Mass Flow
Frequency Cutoff	0.2500 lb/min
Pulses per Unit	1000.00000 per lb

Temperature

Temp Units	deg F
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Product Code

CNG050S290NCAAEZZZ

Serial ID

15641341

Order ID

6198345

Line Item

1.1 4

Customer Tag

26031540B

Process

Process ID : 9.31282983

Process Time : 2026.02.02 15:28:30

Process Stand : SSF1E@SSCCL:1

Stand Uncertainty : +/-0.030%

Fluid : H2O

100% Rate : 38.6 KG/MIN

Pickoff : 1

Max Rate P/T : 41.62 PSIG/21.2 C

Results

Status : PASS

D1 : 0

D2 : 1

K1 : 4057.894

K2 : 4223.465

DT : 4.25

FD : 0

DTG : 0

DFQ1 : 0

DFQ2 : 0

FlowCal : 141.634.50

FFQ : 0

FTG : 0

DensCal : 04058042234.25

FCF : 141.63

FT : 4.5

(BY) 

RAZVAN, TATAR

Technician

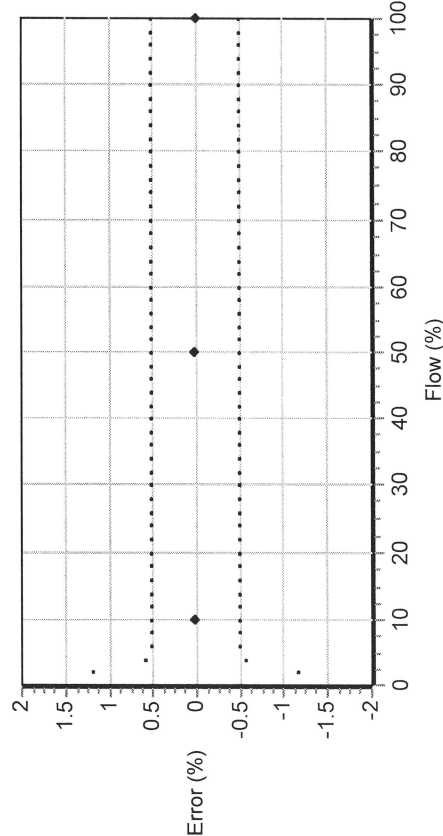
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28.0.0.301 2026.03.19 10:15:03

1 / 1



Flow (%)	Flow Rate (kg/min)	Meter		Reference		Error (%)	Specification (±%)
		Total (kg)	Total (kg)	Total (kg)	Total (kg)		
100.0	38.6	38.33173	38.33152	38.33152	38.33152	0.001	0.500
10.0	3.86	7.86282	7.860774	7.860774	7.860774	0.026	0.500
50.0	19.3	19.74422	19.74078	19.74078	19.74078	0.017	0.500
100.0	38.6	38.26868	38.26643	38.26643	38.26643	0.006	0.500

Product Code		Serial ID	Order ID	Line	Item	Customer Tag	200315403
CNG050S290NCAAEZZZ 1700I12ABAEZZZ PUCK700	15641341	6198345	1.1	4			
	12308794	6198345	1.32	4			
	35073284						
Process		Process ID : 1.39084774 Process Time : 2026.03.19 15:12:30 Process Stand : SSCB-CONFIG2@SSCB					
Sensor	Units						
	Special Mass Time Unit : SEC Special Mass Total Text : NONE Special Volume Base Unit : L Special Volume Conv Factor : 1 Special Volume Flow Text : NONE Special Volume Time Unit : SEC Special Volume Total Text : NONE Temperature Unit : C Volume Flow Unit : L/MIN						
MVD Channel Assignments		Channel A Assignment : Milliamp (Primary) Output [#1]					
Assignments		Event 1 Variable : Density Event 2 Variable : Density Frequency1 Scaling Method : Frequency = Flow Frequency1 Variable : Mass Flow Rate mA1 Variable : Mass Flow Rate					
Ranges		Event 1 Setpoint : 0 Event 1 Type : Event Low (Event "OFF" if PV > SP) Event 2 Setpoint : 0 Event 2 Type : Event Low (Event "OFF" if PV > SP) Frequency1 Active State : Active High Frequency1 Hertz : 1000 Frequency1 Output Mode : Single Frequency1 Pulses/Unit : 1.554404 Frequency1 Rate : 643.3333 Frequency1 Units/Pulse : 0.6433333 mA1 LRV : 0 mA1 URV : 643.3333					
Faults		Frequency1 Fault Behavior : Upscale					
Units		Density Unit : G/CM3 GSV Flow Unit : SCFM Mass Flow Unit : G/SEC Pressure Unit : POUNDS/SQUARE INCH Special GSV Base Time Unit : MIN Special GSV Base Volume Unit : Standard cubic feet Special GSV Conv Factor : 1 Special GSV Flow Unit Text : NONE Special GSV Total Text : NONE Special Mass Base Unit : G Special Mass Conv Factor : 1 Special Mass Flow Text : NONE					

Faults

Frequency1 Fault Value : 15000
mA1 Fault Behavior : Downscale (Default)
mA1 Fault Value : 2

Other

Calibration Process ID : 9.31282983
Core Software Rev : 35
Density Cutoff : 0.2
Density Damping : 1.6
Density High Limit : 5
Density Low Limit : 0
Direction : FORWARD
Fault Dwell Time : 0
Feature Key : 2
Flow Damping : 0.8
HART Device ID : 5048014
LD Type : 0
Mass Flow Cutoff : 1.836
Pressure Comp Line Pressure : 0
Pressure Compensation State : OFF
RS485 Baud : 1200 baud
RS485 Parity : Odd
RS485 Protocol : HART
Density Slug Duration : 0
Tag :
Temperature Damping : 4.8
Transmitter Software Rev : 80
Volume Flow Cutoff : 0.11016

260315408



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5/19/2026

Dispenser Serial Number 26031540
Side B

Micro Motion Transmitter Configuration

Required settings for correct operation of Micro Motion mass flow meter.

Transmitter Model Number: 2700
Sensor Model Number: CNG050
Transmitter Serial Number: 12308794
Sensor Serial Number 15641341
Flow Calibration Factor: 141.634.50
Flow Units LB/min

Communication on RS-485

Protocol Modbus ASCII 7 Bit
Modbus Address 1
Baud Rate 9600
Parity Even
Stop Bits 1

HART Communication

Superimposed on Primary mA (PV)

Analog Output (4-20 mA)

Analog Variable (PV) Mass Flow
Lower Range Value 0.2500 lb/min
Upper Range Value 300.000 lb/min
mA Cutoff 0.0000 lb/min

Freq/Rate

Frequency variable (TV) Mass Flow
Frequency Cutoff 0.2500 lb/min
Pulses per Unit 1000.00000 per lb

Temperature

Temp Units deg F