

Product Code	Serial ID	Order ID	Line	Item	Customer Tag
CNG050S290NCAAE2ZZ	15391942	5302912	1.1	1	
PUCK700	34853296				

Process ID : 1.38498097

Process Time : 2025.04.16 6:07:09

Process Stand : TSM1A@SSCB:1

Stand Uncertainty : +/-0.030%

Fluid : H2O

100% Rate : 38.6 KG/MIN

Pickoff : 1

Max Rate P/T : 33.76 PSIG/21.9 C

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100% Rate : 38.6 KG/MIN

Pickoff : 1

Max Rate P/T : 33.76 PSIG/21.9 C

Results

Status : PASS

D1 : 0

D2 : 1

K1 : 4077.817

K2 : 4245.969

DT : 4.25

FD : 0

DTG : 0

DFQ1 : 0

DFQ2 : 0

FlowCal : 139.244.50

FFQ : 0

FTG : 0

DensCal : 04078042464.25

FCF : 139.24

FT : 4.5

Flow

(%)

Flow Rate

(kg/min)

Meter

Total

(kg)

Reference

Total

(kg)

Error

(%)

Specification

(±%)

100.0	38.6	38.43691	38.43721	-0.001	0.500
10.0	3.86	4.027215	4.02705	0.004	0.500
50.0	19.3	19.44054	19.44074	-0.001	0.500
100.0	38.6	38.21065	38.21577	-0.013	0.500

(BY) 

WHITACRE, BOB

Technician

Product Code		Serial ID	Order ID	Line	Item	Customer Tag	12285096
CNG050S290NCAAEZZZ		15391942	5302912	1.1	1		2508/519A
2700I13ABAEZWZ		12285096	5302912	1.33	1		
PUCK700		34853296					
Process							
Process ID : 1.38498454							
Process Time : 2025.04.16 9:02:03							
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]							
Channel B Power : Active (internally powered)							
Assignments							
Event 1 Variable : Density							
Event 2 Variable : Density							
Frequency1 Scaling Method : Frequency = Flow							
Frequency Variable 1 : 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							

Faults

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

Other

Calibration Process ID : 1.38498097
Core Software Rev : 35
Density Cutoff : 0.2
Density Damping : 0.8
Density High Limit : 5
Density Low Limit : 0
Direction : FORWARD
Fault Dwell Time : 0
Feature Key : 1
Flow Damping : 0.8
HART Device ID : 4826763
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
Slug Duration : 0
Tag :
Temperature Damping : 2.4
Transmitter Software Rev : 80
Volume Flow Cutoff : 0.11016

25081529A



Tulsa Gas Technologies, Inc.

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

8/26/2025

Dispenser Serial Number 25081519

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: 12285096
Sensor Serial Number: 15391942
Flow Calibration Factor: 139.244.50
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

Product Code	Serial ID	Order ID	Line	Item	Customer Tag
CNG050S290NCAAEZZZ	15371862	5302912	1.1	3	25081519B
PUCK700	34853421				

Process

Process ID : 1.38498075

Process Time : 2025.04.16 5:46:02

Process Stand : TSM1C@SSCB:1

Stand Uncertainty : +/-0.030%

Fluid : H2O

100% Rate : 38.6 KG/MIN

Pickoff : 1

Max Rate P/T : 32.08 PSIG/21.8 C

Results

Status : PASS

D1 : 0

D2 : 1

K1 : 4067.572

K2 : 4238.376

DT : 4.25

FD : 0

DTG : 0

DFQ1 : 0

DFQ2 : 0

FlowCal : 140.604.50

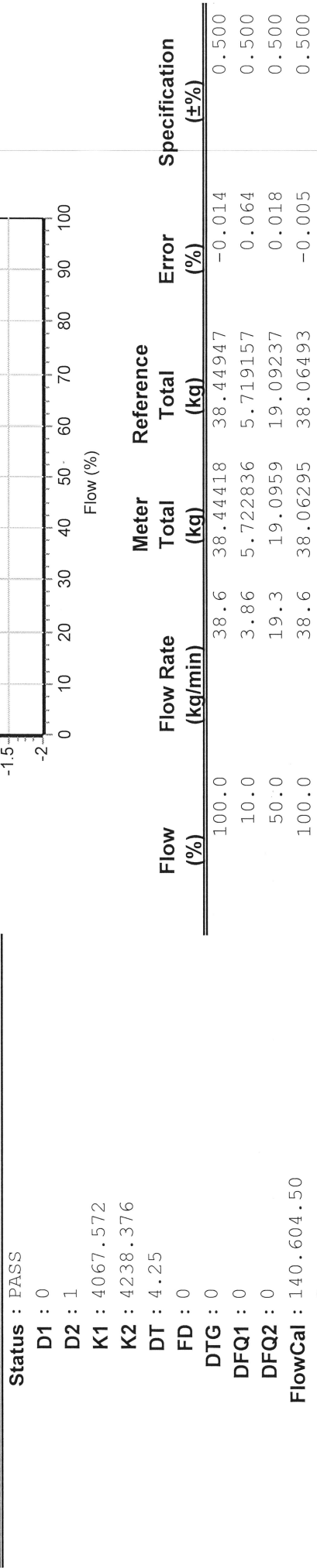
FFQ : 0

FTG : 0

DensCal : 04068042384.25

FCF : 140.6

FT : 4.5



Product Code

CNG050S290NCAAEZZZ

2700I13ABAEZWZ

Serial ID

15371862

12285098

Order ID

5302912

5302912

Line Item

1.1 3

1.33 3

Customer Tag

25081519B

Process

Process ID : 1.38498195
Process Time : 2025.04.16 6:40:35
Process Stand : SSCB-CONFIG2@SSCB

Sensor

Units

D1 : 0
D2 : 1
DFQ1 : 0
DFQ2 : 0
DT : 4.25
DTG : 0
Dens PCF : 0
Density Meter Factor : 1
FCF : 140.6
FD : 0
FFQ : 0
FT : 4.5
FTG : 0
Flow PCP : 30
Flow PCF : 0
K1 : 4067.572
K2 : 4238.376
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 : Milliamper (Primary) Output [#1]
Channel B Power : Active (internally powered)

Assignments

Event 1 Variable : Density
Event 2 Variable : Density
Frequency1 Scaling Method : Frequency = Flow
Frequency Variable 1 : 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

Faults

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

Other

Calibration Process ID : 1.38498075
Core Software Rev : 35
Density Cutoff : 0.2
Density Damping : 0.8
Density High Limit : 5
Density Low Limit : 0
Direction : FORWARD
Fault Dwell Time : 0
Feature Key : 1
Flow Damping : 0.8
HART Device ID : 4826958
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
Slug Duration : 0
Tag :
Temperature Damping : 2.4
Transmitter Software Rev : 80
Volume Flow Cutoff : 0.11016

25081519B

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8/26/2025
 Dispenser Serial Number 25081519
 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: 12285098
 Sensor Serial Number 15371862
 Flow Calibration Factor: 140.604.50
 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) 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 0.2500 lb/min
 Frequency Cutoff 1000.00000 per lb
 Pulses per Unit

Temperature

Temp Units deg F