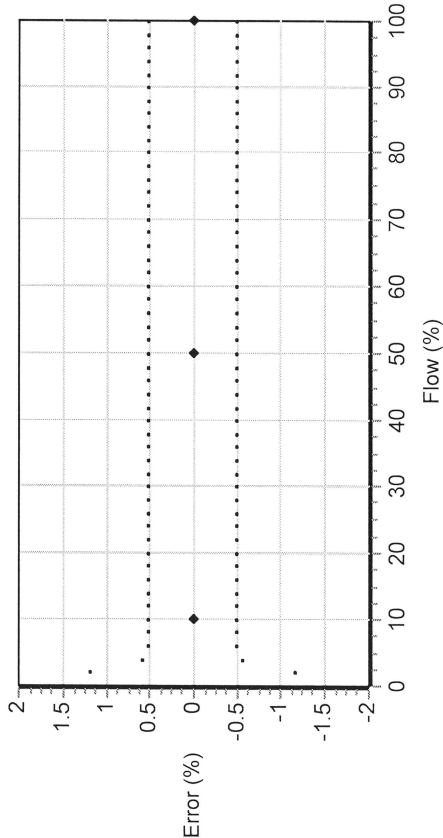


Product Code	Serial ID	Order ID	Line	Item	Customer Tag
CNG050S290NCAAEZZZ	15391146	5302912	1.1	2	
PUCK700	34853376				25081520A

Process

Detail

Process ID : 1.38498118
Process Time : 2025.04.16 6:19:15
Process Stand : TSM1C@SSCB:1
Stand Uncertainty : +/-0.030%
Fluid : H2O
100% Rate : 38.6 KG/MIN
Pickoff : 1
Max Rate P/T : 31.75 PSIG/21.7 C



Results

Status : PASS	
D1 : 0	
D2 : 1	
K1 : 4076.883	
K2 : 4246.133	
DT : 4.25	
FD : 0	
DTG : 0	
DFQ1 : 0	
DFQ2 : 0	
FlowCal : 138.604.50	
FFQ : 0	
FTG : 0	
DensCal : 04077042464.25	
FCF : 138.6	
FT : 4.5	

Flow (%)	Flow Rate (kg/min)	Meter Total (kg)	Reference Total (kg)	Error (%)	Specification (±%)
100.0	38.6	38.54693	38.54705	0.000	0.500
10.0	3.86	5.726394	5.727223	-0.014	0.500
50.0	19.3	19.12382	19.12108	0.014	0.500
100.0	38.6	38.00505	38.00702	-0.005	0.500

WHITACRE, BOB

Technician

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

Product Code

CNG050S290NCAAEZZZ

2700I13ABAEZWZ

PUCK700

Serial ID

15391146

12285097

34853376

Order ID

5302912

5302912

Line

1.1

1.33

Item

2

Customer Tag

25081520A

Process

Process ID : 1.38498400

Process Time : 2025.04.16 8:34:56

Process Stand : SSCB-CONFIG1@SSCB

Sensor

Units

D1 : 0

D2 : 1

DFQ1 : 0

DFQ2 : 0

DT : 4.25

DTG : 0

Dens PCF : 0

Density Meter Factor : 1

FCF : 138.6

FD : 0

FFQ : 0

FT : 4.5

FTG : 0

Flow PCF : 30

Flow PCF : 0

K1 : 4076.883

K2 : 4246.133

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]

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

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

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

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

Other

Calibration Process ID : 1.38498118
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 : 4826754
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

25081520A



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 25081520

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: 12285097
Sensor Serial Number: 15391146
Flow Calibration Factor: 138.604.50
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): 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

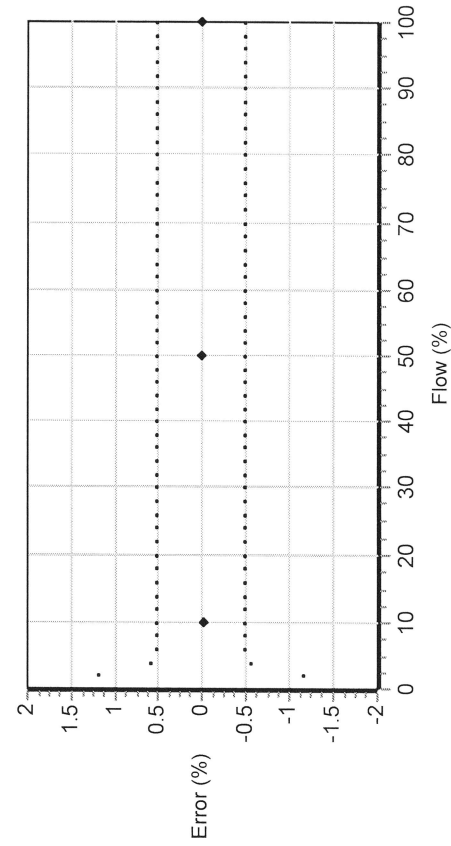
Product Code	Serial ID	Order ID	Line	Item	Customer Tag
CNG050S290NCAAEZZZ	15601160	5302912	1.1	4	
PUCK700	34853265				

250815208

Process

Detail

Process ID : 1.38498147
Process Time : 2025.04.16 6:48:43
Process Stand : TSM1A@SSCB:1
Stand Uncertainty : +/-0.030%
Fluid : H2O
100% Rate : 38.6 KG/MIN
Pickoff : 1
Max Rate P/T : 33.79 PSIG/21.9 C



Results

Status : PASS	
D1 : 0	
D2 : 1	
K1 : 4067.552	
K2 : 4239.001	
DT : 4.25	
FD : 0	
DTG : 0	
DFQ1 : 0	
DFQ2 : 0	
FlowCal : 138.764.50	
FFQ : 0	
FTG : 0	
DensCal : 04068042394.25	
FCF : 138.76	
FT : 4.5	

Flow (%)	Flow Rate (kg/min)	Meter Total (kg)	Reference Total (kg)	Error (%)	Specification (±%)
100.0	38.6	38.43016	38.42616	0.010	0.500
10.0	3.86	4.034009	4.03521	-0.030	0.500
50.0	19.3	19.47804	19.47942	-0.007	0.500
100.0	38.6	38.2665	38.26821	-0.004	0.500

SHRESTHA, GHANA

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
Micro Motion calibration facilities are accredited in accordance with the recognized International Standard ISO/IEC 17025. This Certificate is not covered by the available ISO/IEC 17025 accreditation.

Product Code	Serial ID	Order ID	Line	Item	Customer Tag
CNG050S290NCAAEZZZ	15601160	5302912	1.1	4	
2700I13ABAEZWZ	12285099	5302912	1.33	4	
PUCK700	34853265				

250815208

Process

Process ID : 1.38498286
Process Time : 2025.04.16 7:45:10
Process Stand : SSCB-CONFIG1@SSCB

Sensor

Units

D1 : 0
D2 : 1
DFQ1 : 0
DFQ2 : 0
DT : 4.25
DTG : 0
Dens PCF : 0
Density Meter Factor : 1
FCF : 138.76
FD : 0
FFQ : 0
FT : 4.5
FTG : 0
Flow PCF : 30
Flow PCF : 0
K1 : 4067.552
K2 : 4239.001
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]
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

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

Faults

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

Other

Calibration Process ID : 1.38498147
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 : 4826948
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

250815208



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 25081520

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: 12285099

Sensor Serial Number 15601160

Flow Calibration Factor: 138.764.50

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