

Product Code

CNG050S290NCAAEZZZ

Serial ID

15333024

PUCK700

34284013

Order ID

10500174

Line

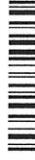
2.1

Item

2

Customer Tag

SN 23011360 52



Process

Detail



Process ID : 1.36932400

Process Time : 2022.09.06 9:02:55

Process Stand : TSMIA@SSCB:1

Stand Uncertainty : +/-0.030%

Fluid : H2O

100% Rate : 38.6 KG/MIN

Pickoff : 1

Max Rate P/T : 33 PSIG/22.8 C

Results

Status : PASS

D1 : 0

D2 : 1

K1 : 4064.48

K2 : 4233.562

DT : 4.25

FD : 0

DTG : 0

DFQ1 : 0

DFQ2 : 0

FlowCal : 140.044.50

FFQ : 0

FTG : 0

DensCal : 04064042344.25

FCF : 140.04

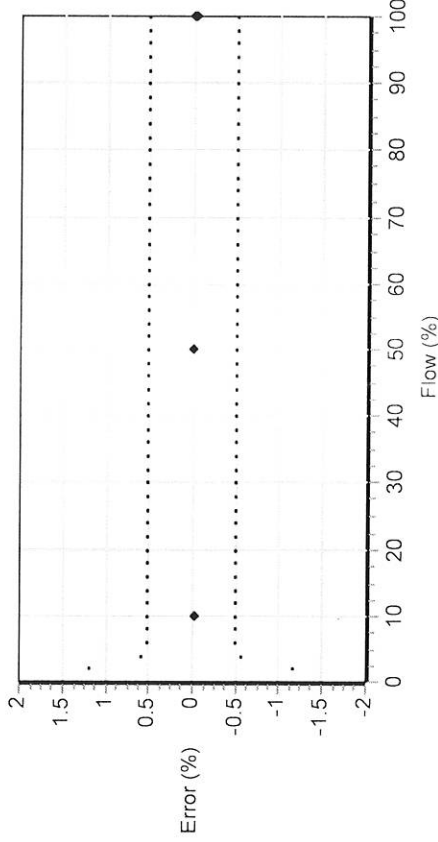
FT : 4.5

*Neil Wilson*

WILSON, NEIL

Technician

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Flow (%)	Flow Rate (kg/min)	Meter Total (kg)	Reference Total (kg)	Error (%)	Specification (±%)
100.0	38.6	38.02164	38.02988	-0.022	0.500
10.0	3.86	4.027009	4.0277	-0.017	0.500
50.0	19.3	19.34471	19.3427	0.010	0.500
100.0	38.6	38.04094	38.04602	-0.013	0.500

Product Code	Serial ID	Order ID	Line	Item	Customer Tag
CNG050S290NCAAEZZZ	15333024	10500174	2.1	2	5N23011360 S2
2700I13ABAEZWW	12219363	10500174	2.33	2	
PUCK700	34284013				

Process

Process ID : 1.36933210  
 Process Time : 2022.09.06 12:30:25  
 Process Stand : CONFIGURATION@SSCB

Sensor

Units

D1 : 0  
 D2 : 1  
 DFC1 : 0  
 DFC2 : 0  
 DT : 4.25  
 DTG : 0  
 Dens PCF : 0  
 Density Meter Factor : 1  
 FCF : 140.04  
 FD : 0  
 FFQ : 0  
 FT : 4.5  
 FTG : 0  
 Flow PCP : 30  
 Flow PCF : 0  
 K1 : 4064.48  
 K2 : 4233.562  
 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 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

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

SN 2301136052

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

Other

Calibration Process ID : 1.36932400  
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 : 4261527  
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



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1/12/2023

Dispenser Serial Number 23011360 (H2)

## 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: 12219363  
Sensor Serial Number 15333024  
Flow Calibration Factor: 140.044.50  
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**

CNG050S290NCAAEZZZ

**Serial ID**

15333648

PUGK700

34283777

**Order ID**

10500174

**Line**

2.1

**Item**

1

**Customer Tag**

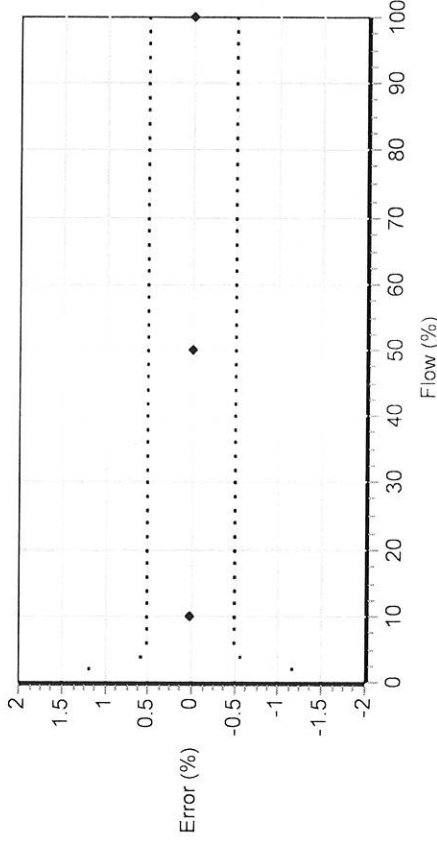
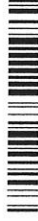
SN 23011360 51



**Process**

**Process ID :** 1.36932348  
**Process Time :** 2022.09.06 8:27:33  
**Process Stand :** TSM1C@SSCB:1  
**Stand Uncertainty :** +/-0.030%  
**Fluid :** H2O  
**100% Rate :** 38.6 KG/MIN  
**Pickoff :** 1  
**Max Rate P/T :** 27.52 PSIG/22.3 C

**Detail**



**Results**

**Status :** PASS  
**D1 :** 0  
**D2 :** 1  
**K1 :** 4085.575  
**K2 :** 4255.372  
**DT :** 4.25  
**FD :** 0  
**DTG :** 0  
**DFQ1 :** 0  
**DFQ2 :** 0  
**FlowCal :** 139.024.50  
**FFQ :** 0  
**FTG :** 0  
**DensCal :** 04086042554.25  
**FCF :** 139.02  
**FT :** 4.5

Flow (%)	Flow Rate (kg/min)	Meter Total (kg)	Reference Total (kg)	Error (%)	Specification (±%)
100.0	38.6	39.5843	39.58813	-0.010	0.500
10.0	3.86	5.631161	5.629323	0.033	0.500
50.0	19.3	19.16233	19.16251	-0.001	0.500
100.0	38.6	39.25942	39.26501	-0.014	0.500

WILSON, NEIL  
 Technician

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Product Code	Serial ID	Order ID	Line	Item	Customer Tag
CNG050S290NCAAEZZZ	15333648	10500174	2.1	1	SN 23011360 51
2700I13ABAEZMW	12219364	10500174	2.33	1	
PUCK700	34283777				

Process

Process ID : 1.36932622  
 Process Time : 2022.09.06 10:24:42  
 Process Stand : CONFIGURATION@SSCB

Sensor

Units

D1 : 0  
 D2 : 1  
 DFC1 : 0  
 DFC2 : 0  
 DT : 4.25  
 DTG : 0  
 Dens PCF : 0  
 Density Meter Factor : 1  
 FCF : 139.02  
 FD : 0  
 FFQ : 0  
 FT : 4.5  
 FTG : 0  
 Flow PCP : 30  
 Flow PCF : 0  
 K1 : 4085.575  
 K2 : 4255.372  
 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 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

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 : 1.36932348  
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 : 4261528  
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

SN 23011360 S1



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1/12/2023

Dispenser Serial Number 23011360 (H1)

## 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: 12219364  
Sensor Serial Number: 15333648  
Flow Calibration Factor: 139.024.50  
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