

Product Code: CNG050S290NCAAEZZZ Serial ID: 13191176 Order ID: 10274706 Line: 1.1 Item: 4 Customer Tag: 18011204

Process ID: 5.26741549 Process Time: 2017.12.02 9:34:02 Process Stand: TSGCNG@SSCN:1 Stand Uncertainty: +/- 0.030%

Fluid: H2O 100% Rate: 38.6 KG/MIN Pickoff: 1 Max Rate P/T: 50.9 PSIG/24.7 C

Process

Detail



Process ID : 5.26741549
 Process Time : 2017.12.02 9:34:02
 Process Stand : TSGCNG@SSCN:1

Stand Uncertainty : +/- 0.030%
 Fluid : H2O
 100% Rate : 38.6 KG/MIN
 Pickoff : 1
 Max Rate P/T : 50.9 PSIG/24.7 C

Results

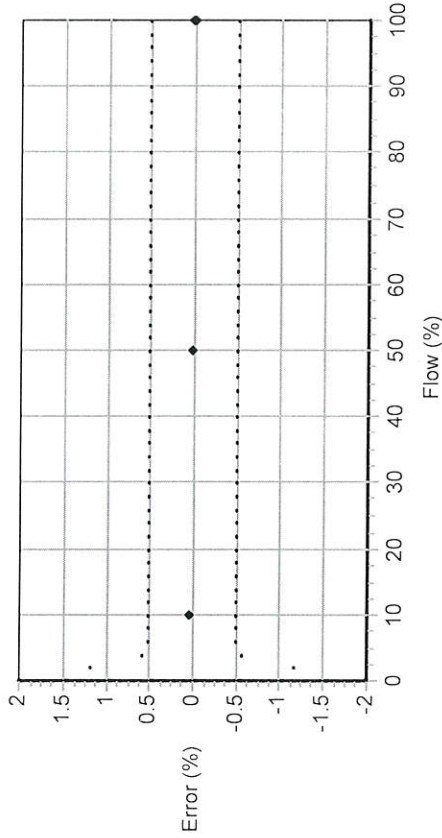
Status : PASS

D1 : 0
 D2 : 1
 K1 : 4048.358
 K2 : 4219.844
 DT : 4.25
 FD : 0
 DTG : 0
 DFQ1 : 0
 DFQ2 : 0

FlowCal : 139.114.50

FFQ : 0
 FTG : 0
 DensCal : 04048042204.25
 FCF : 139.11
 FT : 4.5

Signature
 LI, MENG
 Technician



Flow (%)	Flow Rate (kg/min)	Meter Total (kg)	Reference Total (kg)	Error (%)	Specification (±%)
100.0	38.6	39.72776	39.72097	0.017	0.500
10.0	3.86	3.788461	3.786402	0.054	0.500
50.0	19.3	19.62231	19.61843	0.020	0.500
100.0	38.6	39.25556	39.25542	0.000	0.500

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

Product Code	Serial ID	Order ID	Line	Item	Customer Tag
CNG050S290NCAAEZZZ	13191176	10274706	1.1	4	
2700I13ABAEZWX	3388341	10274706	1.34	4	
PUCK700	25936811				

18011204

Process

Process ID : 1.34191424
 Process Time : 2017.12.20 19:44:39
 Process Stand : SSCB-CONFIG1@SSCB

Sensor

Units

D1 : 0
 D2 : 1
 DFQ1 : 0
 DFQ2 : 0
 DT : 4.25
 DTG : 0

Special Volume Conv Factor : 1

Special Volume Flow Text : NONE
 Special Volume Time Unit : SEC
 Special Volume Total Text : NONE
 Temperature Unit : DEGC
 Volume Flow Unit : L/MIN

Assignments

Density Meter Factor : 1
 Density Press Comp Factor : 0
 FCF : 139.11
 FD : 0
 FFQ : 0
 FT : 4.5
 FTG : 0
 Flow PCP : 0
 Flow PCF : 0
 K1 : 4048.358
 K2 : 4219.844
 Mass Flow Meter Factor : 1
 Temperature Cal Factor : 1.00000T.00000
 Volume Flow Meter Factor : 1

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 : LOW ALARM
 Event 2 Setpoint : 0
 Event 2 Type : LOW ALARM
 Frequency1 Active State : ACTIVE HIGH
 Frequency1 Hertz : 1000
 Frequency1 Pulses/Unit : 25.90674
 Frequency1 Rate : 38.6
 Frequency1 Units/Pulse : 0.0386
 mA1 LRV : 0
 mA1 URV : 38.6

Faults

Frequency1 Fault Behavior : UPSCALE
 Frequency1 Fault Value : 15000
 RS485 Fault Behavior : NONE
 mA1 Fault Behavior : DOWNSCALE
 mA1 Fault Value : 2

Other

Calibration Process ID : 5.26741549

Units

Density Unit : G/CUCM
 GSV Flow Unit : SCFM
 Mass Flow Unit : G/S
 Pressure Unit : PSI
 Special GSV Flow Unit Text : NONE
 Special Mass Base Unit : GRAM
 Special Mass Conv Factor : 1
 Special Mass Flow Text : NONE
 Special Mass Time Unit : SEC
 Special Mass Total Text : NONE
 Special Volume Base Unit : LITER

Other

18011204

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 : 1
Flow Damping : 0.8
HART Device ID : 3445979
LD Coil : 0
LD Type : 0
Mass Flow Cutoff : 1.836
Pressure Comp Line Pressure : 0
Pressure Compensation State : OFF
RS485 Baud : 1200
RS485 Parity : ODD
RS485 Protocol : HART
Slug Duration : 0
Tag :
Temperature Damping : 4.8
Transmitter Software Rev : 66
Volume Flow Cutoff : 0.11016



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2/20/2018

Dispenser Serial Number 18011204

Micro Motion Transmitter Configuration

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

Transmitter Model Number: 2700
Sensor Model Number: CNG095
Transmitter Serial Number: 3388341
Sensor Serial Number 13191176
Flow Calibration Factor: 139.114.50
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 00000 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