

Product Code CNG050S290NCAAEEZZZ Serial ID 13191303 Order ID 10274706 Line 1.1 Item 5 Customer Tag 1801203

Process ID 5.26744213 Process Time 2017.12.04 17:55:22 Process Stand TSGCNG@SSCN:1 Stand Uncertainty +/-0.030% Fluid H2O 100% Rate 38.6 KG/MIN Pickoff 1 Max Rate P/T 50.47 PSIG/23.6 C

Process

Detail

Process ID : 5.26744213
Process Time : 2017.12.04 17:55:22
Process Stand : TSGCNG@SSCN:1
Stand Uncertainty : +/-0.030%
Fluid : H2O
100% Rate : 38.6 KG/MIN
Pickoff : 1
Max Rate P/T : 50.47 PSIG/23.6 C

Results

Status : PASS

D1 : 0
D2 : 1
K1 : 4068.974
K2 : 4241.163
DT : 4.25
FD : 0
DTG : 0
DFQ1 : 0
DFQ2 : 0

FlowCal : 138.104.50
FFQ : 0
FTG : 0
DensCal : 04069042414.25
FCF : 138.1
FT : 4.5

LI, MENG
Technician

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

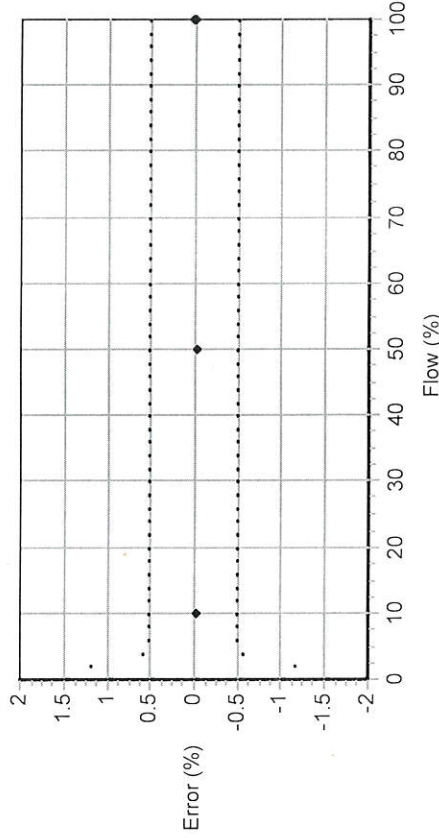


Table with 6 columns: Flow (%), Flow Rate (kg/min), Meter Total (kg), Reference Total (kg), Error (%), and Specification (±%). It contains four rows of data points corresponding to the flow rates of 100.0, 10.0, 50.0, and 100.0%.

Product Code	Serial ID	Order ID	Line	Item	Customer Tag
CNG050S290NCAAEZZZ	13191303	10274706	1.1	5	
2700I13ABAEZWW	3387475	10274706	1.34	5	
PUCK700	25936830				

180011203

Process

Process ID : 1.34191594
 Process Time : 2017.12.20 21:20:46
 Process Stand : SSCB-CONFIG1@SSCB



Sensor

Units

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

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 : 5.26744213

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

18011203

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 : 3445932
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



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

2/20/2018

Dispenser Serial Number 18011203

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: 3387475
Sensor Serial Number 13191303
Flow Calibration Factor: 138.104.50
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