

Product Code

CNG050S290NCAAEZZZ

PUCK700

Serial ID

15334939

34430652

Order ID

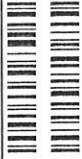
10588488

Line Item

1.1 2

Customer Tag

23101436A



Process

Process ID : 1.37347817

Process Time : 2023.06.03 13:15:19

Process Stand : TSM1A@SSCB:1

Stand Uncertainty : +/-0.030%

Fluid : H2O

100% Rate : 38.6 KG/MIN

Pickoff : 1

Max Rate P/T : 32.85 PSIG/22.2 C

Results

Status : PASS

D1 : 0

D2 : 1

K1 : 4086

K2 : 4255.106

DT : 4.25

FD : 0

DTG : 0

DFQ1 : 0

DFQ2 : 0

FlowCal : 139.444.50

FFQ : 0

FTG : 0

DensCal : 04086042554.25

FCF : 139.44

FT : 4.5

CASTER, BOB

Technician

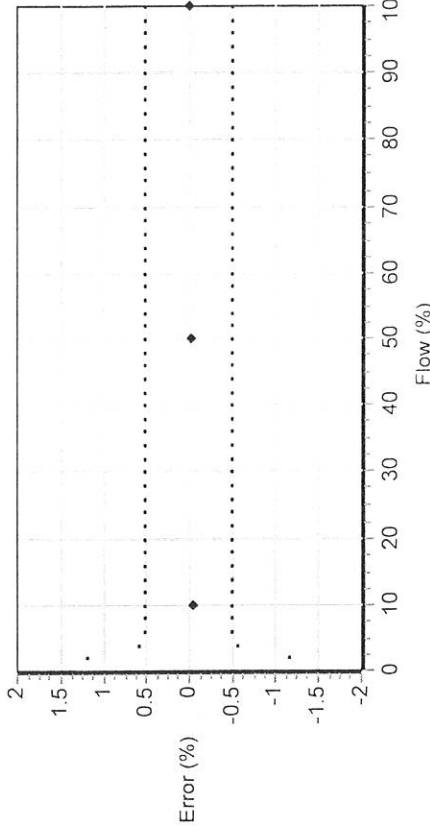
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Micro Motion calibration facilities are accredited in accordance with the recognized International Standard ISO/IEC 17025. This Certificate is not covered by the available ISO/IEC 17025 accreditation.

28.0.0.298 2023.06.03 13:17:47

1 / 1



Flow (%)	Flow Rate (kg/min)	Meter Total (kg)	Reference Total (kg)	Error (%)	Specification (±%)
100.0	38.6	38.07761	38.07971	-0.006	0.500
10.0	3.86	4.025337	4.02685	-0.038	0.500
50.0	19.3	19.35018	19.35342	-0.017	0.500
100.0	38.6	37.98369	37.98741	-0.010	0.500

Product Code

CNG050S290NCAAEZZZ

2700I13ABAEZwZ

PUCK700

Serial ID

15334939

12237248

34430652

Order ID

10588488

10588488

Line Item Customer Tag

1.1 2

1.33 2

28101436

Process

Process ID : 1.37348158
Process Time : 2023.06.03 15:34:17
Process Stand : CONFIGURATION@SSCB

Sensor

D1 : 0
D2 : 1
DFQ1 : 0
DFQ2 : 0
DT : 4.25
DTG : 0
Dens PCF : 0
Density Meter Factor : 1
FCF : 139.44
FD : 0
FFQ : 0
FT : 4.5
FTG : 0
Flow PCF : 30
Flow PCF : 0
K1 : 4086
K2 : 4255.106
Mass Flow Meter Factor : 1
Volume Flow Meter Factor : 1

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 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

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

Other

Calibration Process ID : 1.37347817
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 : 4300588
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

23101436

Product Code CNG050S290NCAAEZZZ
Serial ID 15334652
Order ID 10588488
Line Item 1.1 3
Customer Tag 23101436B
PUCK700 34431512

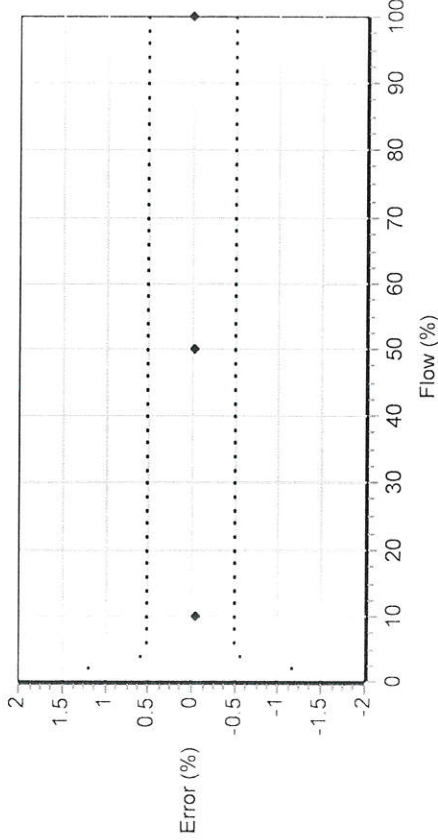
Process

Process ID : 1.37347661
Process Time : 2023.06.03 9:52:28
Process Stand : TSM1A@SSCB:1
Stand Uncertainty : +/-0.030%
Fluid : H2O
100% Rate : 38.6 KG/MIN
Pickoff : 1
Max Rate P/T : 32.9 PSIG/22.2 C

Results

Status : PASS

D1 : 0
D2 : 1
K1 : 4071.675
K2 : 4238.762
DT : 4.25
FD : 0
DTG : 0
DFQ1 : 0
DFQ2 : 0
FlowCal : 140.524.50
FFQ : 0
FTG : 0
DensCal : 04072042394.25
FCF : 140.52
FT : 4.5



Flow (%)	Flow Rate (kg/min)	Meter Total (kg)	Reference Total (kg)	Error (%)	Specification (±%)
100.0	38.6	38.03194	38.02836	0.009	0.500
10.0	3.86	4.038332	4.04025	-0.047	0.500
50.0	19.3	19.47949	19.48277	-0.017	0.500
100.0	38.6	38.06539	38.06151	0.010	0.500

Bob Carter

CASTER, BOB
Technician

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Product Code

CNG050S290NCAAEZZZ
2700I13ABAEZWW
PUCK700

Serial ID

15334652
12237247
34431512

Order ID Line Item Customer Tag

10588488 1.1 3
10588488 1.33 3

23101436

Process

Process ID : 1.37347927
Process Time : 2023.06.03 13:34:22
Process Stand : CONFIGURATION@SSCB

Sensor

D1 : 0

D2 : 1

DFQ1 : 0

DFQ2 : 0

DT : 4.25

DTG : 0

Dens PCF : 0

Density Meter Factor : 1

FCF : 140.52

FD : 0

FFQ : 0

FT : 4.5

FTG : 0

Flow PCP : 30

Flow PCF : 0

K1 : 4071.675

K2 : 4238.762

Mass Flow Meter Factor : 1

Volume Flow Meter Factor : 1

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 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

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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

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

Other

Calibration Process ID : 1.37347661
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 : 4300689
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

23101436