

Product Code	Serial ID	Order ID	Customer Tag	Customer
CMF050M320N0A2EZZZ	14512664	10214866		Alcoa Inc New York City, NY
FLOW VERIFICATION - FLOW CAL FACTORS SAME AS INITIAL CAL (AS FOUND / AS LEFT)				

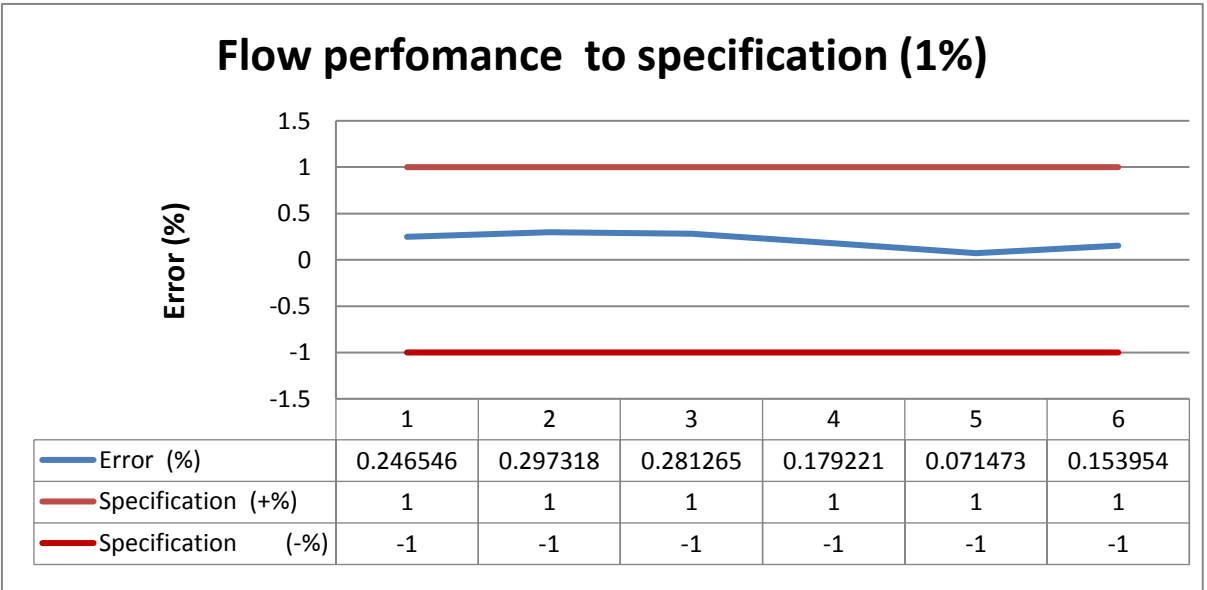
Process

Detail

Customer PO: 140506627  
Process Date: 1/0/1900  
Reference Meter: 111111111  
Stand Uncertainty: ± 1%  
Test Gas: Argon  
Freq: 60  
Press: 72  
Temp: 90  
Mdot: 12.00  
Batch Time: 120.00  
Standard Dev (%) 0.09

Results

Status: PASS  
D1: 0.0  
D2: 1.0  
K1: 10120.340  
K2: 11090.710  
DT: 2.82  
FD: 261.10  
DTG: 0  
DFQ1: 0  
DFQ2: 0  
FlowCal: .442603.41  
FFQ: 0  
FTG: 0  
DensCal: 10120110913  
FCF: 0.4426  
FT: 3.41



Number	Flow Rate (Kg/min)	Meter Total (Kg)	Reference Total (Kg)	Error (%)	Specification (+%)	Specification (-%)
1	0.0014	0.002912	0.002905	0.246546	1.00	-1.000
2	0.0014	0.002885	0.002894	0.297318	1.00	-1.000
3	0.0014	0.002945	0.002937	0.281265	1.00	-1.000
4	0.0050	0.010160	0.010142	0.179221	1.00	-1.000
5	0.0050	0.010175	0.010167	0.071473	1.00	-1.000
6	0.0050	0.010199	0.010183	0.153954	1.00	-1.000

Rabi Gurung - Repair Support Eng.

**TEST DATE & TIME**

**TEST COMMENTS:** PUCK800

**SENSOR DATA**

Serial Number:  
Model: 660  
Size: 10  
Material:  
Press Rating: 100  
Temp Rating: 100

**SENSOR CALIBRATION**

Flow Calibration Factor:  
D1:  
D2:  
K1:  
K2:  
FD:  
Density Temp Coeff.:

**TRANSMITTER DATA**

Serial Number: 14512664  
Model:  
Mass Flow Units:  
Density Units:  
Temperature Units:  
Mass Flow Cutoff:  
Mass Flow Damping:  
Flow Direction:  
Frequency Flow Rate:  
Frequency Span:

**Meter Specifications**

Flow Accuracy: 1.10	%
Flow Repeatability: 0.120	%
Zero Stability: 0.12000	lb/min
Density Accuracy: 0.2000	g/cc
Density Repeatability: 1.1000	g/cc

**Nominal Flow Rate** 591.3 lb/min

**Meter zero** nsec

**Customer data**

Status As found	as found/as left
Customer name Alcoa Inc	Customer PO 140506627
Customer address New York City, NY	Stand Uncertainty $\pm 1\%$
Sales order number 10214866	Test Gas Argon
Technician name abc	Frequency 60
ref meter 111111111	Pressure 72
Product code CMF050M320N0A2E2ZZ	Mdot 12
Fluid <b>H2O</b>	Batch time 120
Fluid temp 90	

Data Point	Set Point	UUT Flow	UUT Temp	UUT Density	UUT Zero nsec	Set Point	UUT Dig Total1	Ref
1						0.0014	0.002912	0.002905
2						0.0014	0.002885	0.002894
3						0.0014	0.002945	0.002937
4						0.0014	0.00289	0.002883
5						0.005	0.01016	0.010142
6						0.005	0.010175	0.010167
7						0.005	0.010199	0.010183
8						0.005	0.010191	0.010182
9						0.0014	0.010214	0.010211
10						0.0014	0.010232	0.010234
11						0.0014	0.010231	0.010233



Fluid Density g/cc	Ambient Press psia	Ambient Temp °C	Ambient % RH	VFD Speed %	Batch Time sec	Rdgs Avg'd	Timestamp	Analog Output mA
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Error Limit	Flow Rate		FALSE			
Turndown	lb/min	% Flow	+ Limit	- Limit	+ D Limit	- D Limit
1.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
1.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
2.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
2.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
3.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
3.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
4.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
4.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
5.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
5.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
6.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
6.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
7.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
7.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
8.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
8.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
9.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
9.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
10.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
10.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
11.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
11.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
12.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
12.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
13.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
13.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
14.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
14.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
15.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
15.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
16.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
16.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
17.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
17.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
18.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
18.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
19.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
19.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
20.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
20.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
21.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
21.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
22.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
22.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
23.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
23.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
24.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
24.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
25.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

181.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
182.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
182.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
183.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
183.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
184.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
184.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
185.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
185.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
186.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
186.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
187.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
187.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
188.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
188.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
189.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
189.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
190.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
190.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
191.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
191.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
192.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
192.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
193.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
193.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
194.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
194.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
195.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
195.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
196.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
196.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
197.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
197.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
198.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
198.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
199.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
199.5	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2
200.0	0.000	0.000	#DIV/0!	#DIV/0!	0.2	-0.2