

# Intertek Testing Services NA Inc.

Middleton, Wisconsin

Calibration Date: 4/29/2016 Next Calibration Due: 10/29/2016

Calibrated By: BZ Reviewed By: KS

Meter Number 189158 Inventory Number: 1413

Reference: Dry Gas Meter # 1268 Cal Factor: 1.007 Last Cal. Date 12/30/2015

Baro: 29.09 in. Hg Ambient Temp: 67 F Cal. Due Date: 6/30/2016

UUT Correction Factor 0.9878

## Trial 1

Unit Under Test		Reference Meter	
Time	Flow (scfm) Indicated	DGM Volume	Meter Temp (F)
0	0.2466965	983.02	65.1
1	0.2466001	984.26	64.6
2	0.2465415	(end timing at time in B23)	
3	0.2464064	Volume	1.24 ft <sup>3</sup>
4	0.2464081	Corrected	1.221 Std ft <sup>3</sup>
5	0.2463143	Flow Rate	0.244 SCFM
Average	0.2465 SCFM	Correction Factor:	0.991
		Deviation	0.0022 %
			0.9%

## Trial 2

Time	Flow (scfm) Indicated	DGM Volume	Meter Temp (F)
0	0.2463143	984.26	64.6
1	0.2461284	985.495	64.5
2	0.2461258	Volume	1.235 ft <sup>3</sup>
3	0.2460311	Corrected	1.217 Std ft <sup>3</sup>
4	0.2459304	Flow Rate	0.243 SCFM
5	0.2458348	Correction Factor:	0.989
Average	0.2461 SCFM	Deviation	0.0026 %
			1.1%

## Trial 3

Time	Flow (scfm) Indicated	DGM Volume	Meter Temp (F)
0	0.2458348	985.495	64.5
1	0.2457358	986.72	64.6
2	0.2456429	Volume	1.225 ft <sup>3</sup>
3	0.2456437	Corrected	1.207 Std ft <sup>3</sup>
4	0.2455456	Flow Rate	0.241 SCFM
5	0.2455439	Correction Factor:	0.983
Average	0.2457 SCFM	Deviation	0.0042 %
			1.7%

## Trial 4

Time	Flow (scfm) Indicated	DGM Volume	Meter Temp (F)
0	0.1851911	986.915	64.4
1	0.1850946	987.84	64.4
2	0.1850946	Volume	0.925 ft <sup>3</sup>
3	0.1850972	Corrected	0.912 Std ft <sup>3</sup>
4	0.1850525	Flow Rate	0.182 SCFM
5	0.1850017	Correction Factor:	0.985
Average	0.1851 SCFM	Deviation	0.0027 %
			1.5%

## Trial 5

Time	Flow (scfm) Indicated
0	0.1850017
1	0.185037
2	0.1849561
3	0.185
4	0.1849044
5	0.1849053

Average 0.1850 SCFM

	DGM Volume	Meter Temp (F)
Start	987.84	64.4
End	988.765	64

Volume 0.925 ft<sup>3</sup>  
Corrected 0.912 Stnd ft<sup>3</sup>

Flow Rate 0.182 SCFM  
Correction Factor: 0.986 Deviation 0.0025 % 1.4%

## Trial 6

Time	Flow (scfm) Indicated
0	0.1849053
1	0.1849079
2	0.1849044
3	0.1849655
4	0.1849053
5	0.184907

Average 0.1849 SCFM

	DGM Volume	Meter Temp (F)
Start	988.765	64
End	989.688	64.2

Volume 0.923 ft<sup>3</sup>  
Corrected 0.910 Stnd ft<sup>3</sup>

Flow Rate 0.182 SCFM  
Correction Factor: 0.985 Deviation 0.0028 % 1.6%

## Trial 7

Time	Flow (scfm) Indicated
0	0.1229979
1	0.1229032
2	0.1228972
3	0.1228946
4	0.1228946
5	0.1228963

Average 0.1229 SCFM

	DGM Volume	Meter Temp (F)
Start	989.816	64.1
End	990.436	64

Volume 0.62 ft<sup>3</sup>  
Corrected 0.612 Stnd ft<sup>3</sup>

Flow Rate 0.122 SCFM  
Correction Factor: 0.995 Deviation 0.0006 % 0.5%

## Trial 8

Time	Flow (scfm) Indicated
0	0.1228963
1	0.1228937
2	0.1228963
3	0.1228042
4	0.1228034
5	0.1228516

Average 0.1229 SCFM

	DGM Volume	Meter Temp (F)
Start	990.436	64
End	991.056	64

Volume 0.62 ft<sup>3</sup>  
Corrected 0.612 Stnd ft<sup>3</sup>

Flow Rate 0.122 SCFM  
Correction Factor: 0.996 Deviation 0.0005 % 0.4%

## Trial 9

Time	Flow (scfm) Indicated
0	0.1228516
1	0.1228025
2	0.1228541
3	0.1228481
4	0.1228034
5	0.122824

Average 0.1228 SCFM

	DGM Volume	Meter Temp (F)
Start	991.056	64
End	991.666	64.2

Volume 0.61 ft<sup>3</sup>  
Corrected 0.602 Stnd ft<sup>3</sup>

Flow Rate 0.120 SCFM  
Correction Factor: 0.980 Deviation 0.0025 % 2.1%