

High-Volume TSP Sampler  
5-Point Calibration Record

Location : A1 (Tuen Mun)  
Calibrated by : P.F.Yeung  
Date : 5/5/2010

Sampler

Model : GMWS-2310 ACCU-VOL  
Serial Number : S/N 0890

Calibration Orifice and Standard Calibration Relationship

Serial Number : 9833620  
Service Date : 18 May 2009  
Slope (m) : 1.97702  
Intercept (b) : -0.00070  
Correlation Coefficient(r) : 0.99992

Standard Condition

Pstd (hpa) : 1013  
Tstd (K) : 298.18

Calibration Condition

Pa (hpa) : 1010  
Ta(K) : 296

Zero Error of Sampler Flow Rate Indication

IO : 0.0

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1   18 holes	10.2	3.197	1.617	60	60.1
2   13 holes	8.0	2.831	1.432	52	52.1
3   10 holes	6.4	2.532	1.281	45	45.0
4   7 holes	4.0	2.002	1.013	33	33.0
5   5 holes	2.5	1.583	0.801	24	24.0

Sampler Calibration Relationship

Slope(m):44.366 Intercept(b): -11.683 Correlation Coefficient(r): 0.9999

Checked by: Magnum Fan

Date: 10/5/2010

High-Volume TSP Sampler  
5-Point Calibration Record

Location : AM1  
Calibrated by : K.T.Ho  
Date : 5/07/2010

Sampler  
Model : GMWS-2310 ACCU-VOL  
Serial Number : S/N 0890

Calibration Orifice and Standard Calibration Relationship

Serial Number : 1785  
Service Date : 10 May 2010  
Slope (m) : 2.01637  
Intercept (b) : -0.02316  
Correlation Coefficient(r) : 0.99996

Standard Condition

Pstd (hpa) : 1013  
Tstd (K) : 298.18

Calibration Condition

Pa (hpa) : 1006  
Ta(K) : 303

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1   18 holes	10.0	3.128	1.563	60	59.4
2   13 holes	7.6	2.727	1.364	51	50.5
3   10 holes	6.3	2.483	1.243	45	44.5
4   7 holes	3.8	1.928	0.968	32	31.7
5   5 holes	2.3	1.500	0.756	21	20.8

Sampler Calibration Relationship

Slope(m): 47.749 Intercept(b): -14.929 Correlation Coefficient(r): 0.9998

Checked by: Magnum Fan

Date: 23/07/2010