

Certification of 1 Hours TSP Monitoring Equipments – Laser Dust Monitor:

LASER DUST MONITOR CALIBRATION CARD MODEL LD-3B	
Serial No. 974350	1. Pull the air sampling inlet cover up.
Sensitivity (K) 1 CPM = 0.001 mg/m3	2. Change Mode 0 to BG by pushing Timer set switch.
Sensitivity adjustment scale setting(S) : 622 CPM	3. Push Start/Stop switch once.
Inspected by : KAMEYAMA Date July 30, 2009	4. Turn knob to SENSI. ADJ and press in.
Witnessed by :	5. Push Start/Stop switch once.
SIBATA SCIENTIFIC TECHNOLOGY LTD.	6. Gently return knob to the MEASURE position.
	7. Push timer set switch to set measuring time.
	8. Remove the cap and start measurement.
HOW TO USE THE "MEASURE/SENSI. ADJ" KNOB :	
1) To switch knob from MEASURE position to SENSI.ADJ position, gently rotate knob clockwise, then gently push knob in. It will click into SENSI.ADJ position. Please be sure to continue pushing in until the knob stops.	
2) When you need to return to MEASURE position, pull knob out gently and it will automatically turn counter-clockwise. Be careful not to let go of the knob until it reaches the MEASURE position.	
3) When you are not using the LD-3, please keep the knob set in the SENSI.ADJ position.	

LASER DUST MONITOR CALIBRATION CARD MODEL LD-3B	
Serial No. 934393	1. Pull the air sampling inlet cover up.
Sensitivity (K) 1 CPM = 0.001 mg/m3	2. Change Mode 0 to BG by pushing Timer set switch.
Sensitivity adjustment scale setting(S) : 640 CPM	3. Push Start/Stop switch once.
Inspected by : IDA Date March 23, 2009	4. Turn knob to SENSI. ADJ and press in.
Witnessed by :	5. Push Start/Stop switch once.
SIBATA SCIENTIFIC TECHNOLOGY LTD.	6. Gently return knob to the MEASURE position.
	7. Push timer set switch to set measuring time.
	8. Remove the cap and start measurement.
HOW TO USE THE "MEASURE/SENSI. ADJ" KNOB :	
1) To switch knob from MEASURE position to SENSI.ADJ position, gently rotate knob clockwise, then gently push knob in. It will click into SENSI.ADJ position. Please be sure to continue pushing in until the knob stops.	
2) When you need to return to MEASURE position, pull knob out gently and it will automatically turn counter-clockwise. Be careful not to let go of the knob until it reaches the MEASURE position.	
3) When you are not using the LD-3, please keep the knob set in the SENSI.ADJ position.	

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : Cyber Port
Calibrated by : K.F.Ho
Date : 13/11/09

Sampler

Model : GMWS-2310 ACCU-VOL
Serial Number : S/N 2098

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) : 1018
Ta(K) : 295

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	13.4	3.644	1.841	54	53.8
2 13 holes	10.5	3.226	1.632	48	47.8
3 10 holes	8.6	2.920	1.479	44	43.8
4 7 holes	4.6	2.135	1.087	32	31.9
5 5 holes	3.2	1.781	0.910	28	27.9

Sampler Calibration Relationship

Slope(m): 28.239 Intercept(b): 1.764 Correlation Coefficient(r): 0.9993

Checked by: Magnum Fan

Date: 16/11/09

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : Wah Wu Estate
Calibrated by : K.F.Ho
Date : 23/11/09

Sampler

Model : GMWS-2310 ACCU-VOL
Serial Number : S/N 2100

Calibration Office 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) : 1018
Ta(K) : 293

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	13.4	3.644	1.841	54	53.8
2 13 holes	10.5	3.226	1.632	48	47.8
3 10 holes	8.6	2.920	1.479	44	43.8
4 7 holes	4.6	2.135	1.087	32	31.9
5 5 holes	3.2	1.781	0.910	28	27.9

Sampler Calibration Relationship

Slope(m): 30.408 Intercept(b): 0.195 Correlation Coefficient(r): 0.9996

Checked by: Magnum Fan

Date: 24/11/09

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : Wah Fu Estate
Calibrated by : K.F.Ho
Date : 17/11/09

Sampler
Model : GMWS-2310 ACCU-VOL
Serial Number : S/N2100

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) : 1018
Ta(K) : 291

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	11.7	3.724	1.884	58	57.7
2 13 holes	8.8	3.271	1.655	52	51.7
3 10 holes	7.2	2.901	1.468	46	45.8
4 7 holes	4.5	2.225	1.126	37	36.8
5 5 holes	2.8	1.780	0.901	30	29.9

Sampler Calibration Relationship

Slope(m): 28.279 Intercept(b): 4.608 Correlation Coefficient(r): 0.9995

Checked by: Magnum Fan

Date: 22/11/09

ENVIROTECH SERVICES CO.

High-Volume TSP Sampler
5-Point Calibration Record

Location : Aberdeen
Calibrated by : K.F.Ho
Date : 13/11/09

Sampler

Model : GMWS-2310 ACCU-VOL
Serial Number : S/N2099

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) : 1018
Ta(K) : 295

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC	Y
1 18 holes	12.3	3.492	1.766	54	53.8
2 13 holes	9.4	3.052	1.544	47	46.8
3 10 holes	7.6	2.745	1.389	42	41.8
4 7 holes	4.6	2.135	1.080	32	31.9
5 5 holes	3.0	1.724	0.873	25	24.9

Sampler Calibration Relationship

Slope(m): 32.29 Intercept(b): -3.137 Correlation Coefficient(r): 0.9999

Checked by: Magnum Fan

Date: 16/11/09