

~Calibration Certificate~

Vibration Meter Information

Model Number: vPodII/786A
 Serial Number: xx01
 Manufacturer: vPodII
 ID Number: SSPL1731_A1
 Description: Vibration Meter along with sensor

Vibration Meter Specifications

Acceleration (g rms)	Velocity (mm/sec)	Displacement (μm)
0.00~19.99 g	0.0~199.9 pk	0~1999 microns pk-pk

Standards and/or Equipment Used During Calibration:

Description	Manufacturer	Model No.	Serial No.	Cal Due Date
Portable Vibration Calibrator	TMS	9110D	10284	5-Aug-2017

1.Data Table for Acceleration Mode (g rms):

Run No	Reference Value g rms	Frequency(Hz)	Measured Value g rms	Deviation g rms
1	0.57	10	0.63	-0.06
2	1	50	0.9	0.1
3	2	50	2.11	-0.11
4	3	50	3.14	-0.14
5	4	50	4.14	-0.14
6	5	50	5.26	-0.26

2.Data Table for Velocity Mode (mm/s pk):

Run No	Reference Value mm/s pk	Frequency(Hz)	Measured Value mm/s pk	Deviation mm/s pk
1	1	50	1	0
2	5	50	5.1	-0.1
3	10	50	10.4	-0.4
4	50	50	52.2	-2.2
5	80	50	83.4	-3.4
6	100	50	104.3	-4.3
7	130	50	135.1	-5.1

3.Data Table for Displacement Mode (μm pk):

Run No	Reference Value (μm).Pk-Pk	Frequency(Hz)	Measured Value (μm).Pk-Pk	Deviation (μm).Pk-Pk
1	1	50	1	0
2	5	50	5.1	-0.1
3	50	50	50	0
4	100	50	101	-1
5	500	50	506	-6
6	800	50	808	-8
7	1300	50	1304	-4

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Results relate only to the items calibrated.

Method: Back-to-Back Comparison Calibration

Measurement Uncertainty (95% Confidence level with coverage factor of 2) for frequency ranges tested during calibration are as follows: 10 Hz; $\pm 8.10\%$, 50 Hz; $\pm 3.26\%$, 100 Hz; $\pm 3.19\%$

Customer: ABC

User Notes:

Lab Conditions

Temperature: 25 ± 2 °C
 77 ± 3.6 °F

Humidity: 50 ± 5 %

Approval Information

Technical Manager: E.Dwarakanath

Approval:

Cal Date: 3-Sep-2016

Rec. Cal. Due Date: 2-Sep-2018



SSPL Calibration Centre

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