

~Calibration Certificate~

Sensor Information

Model Number: **353B03**
 Serial Number: **00#**
 Manufacturer: **PCB**
 ID Number: **SSPL 9999**
 Description: **ICP® Accelerometer**

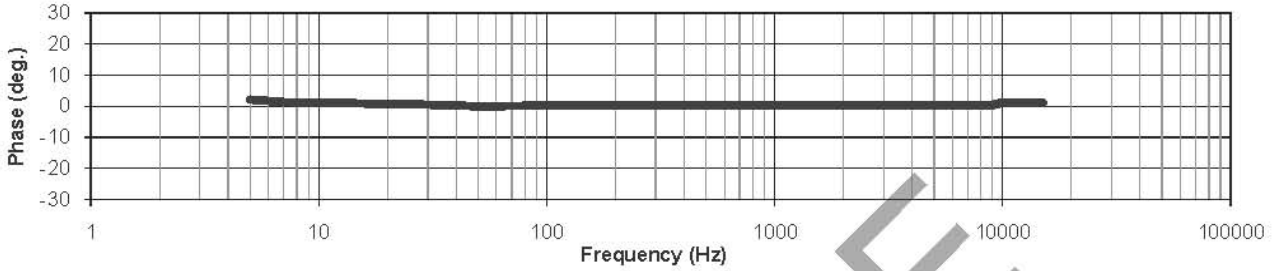
Calibration Data

Sensitivity @ 100 Hz: **9.757 mV/g**
 Phase @ 100 Hz: **0.2094 deg.**
 Test Level: **1.00 g**
 Output Bias Level: **8.9 VDC**

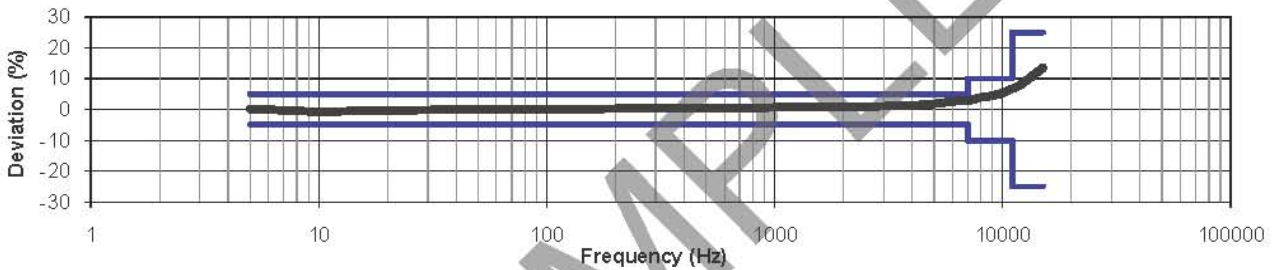
Transducer Specifications

Amp. Range: **± 500 g**
 Resolution: **0.003 g**
 Resonant Freq: **≥ 38000 Hz**
 Temp. Range: **-54 to 121 °C**
-65 to 250 °F
 Axis: **Uni-Axial**

Phase Response



Amplitude Response



Data Table

Freq. (Hz)	Deviation (%)	Phase (deg)
5	0.1990	2.1585
7	-0.2906	1.3068
10	-0.8247	1.1270
50	-0.0824	-0.0265
100	0.0000	0.2094
160	0.1382	0.2574
200	0.2134	0.2170
500	0.3906	0.1900
630	0.4990	0.1619
800	0.4871	0.1787
1000	0.6353	0.1602
2000	0.8209	0.1545
5000	1.8664	0.2877
6300	2.7739	0.4412
7000	2.7430	0.4432
8000	3.8513	0.3393
10000	5.4031	1.2160
12000	7.9649	1.0911
15000	13.4289	1.0889

Notes

Results relate only to the items calibrated.
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 Method: Back-to-Back Comparison Calibration per ISO 16063 Part 21
 This calibration was performed with TMS 9155 Calibration Workstation version 4.12.01
 Calibration traceable to NIST. Measurement Uncertainty (95% Confidence level with coverage factor of 2) for frequency ranges tested during calibration are as follows:
 5-9.9 Hz; ±1.21 %, 10-99 Hz; ±1.33%, 100 Hz; ±1.11 %, 101-920 Hz; ± 1.21%,
 920-5000 Hz; ± 1.29%, 5001-15000 Hz; ± 1.85%.

Calibration is performed in compliance with ISO 9001 and ISO 17025

Customer

ABCD

User Notes

Mounting: Stud. Phase band tolerance was not set as manufacture data is not available.

Unit Condition

As Found: In Tolerance
 As Left: In Tolerance

Authorisation

Lab In-Charge: E.Dwarakanath
 Signature:

Lab Conditions

Temperature: 23 ±2 °C
 73 ±3.6 °F
 Humidity: 54 ±5 %
 Cal Date: XXXX



SSPL Calibration Centre

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