THE MODAL SHOP
AN AMPHENOL COMPANY

~Calibration Certificate~

Sensor Information

Model Number:	TLD352C03
Serial Number:	292824
Manufacturer:	PCB
ID Number:	73278
Description:	ICP® Accelerometer

Calibration Data

Sensitivity @ 100 Hz:	9.850	mV/g
	1.004	mV/m/s²
Phase @ 100 Hz:	-1.29	deg.
Test Level:	10.00	g

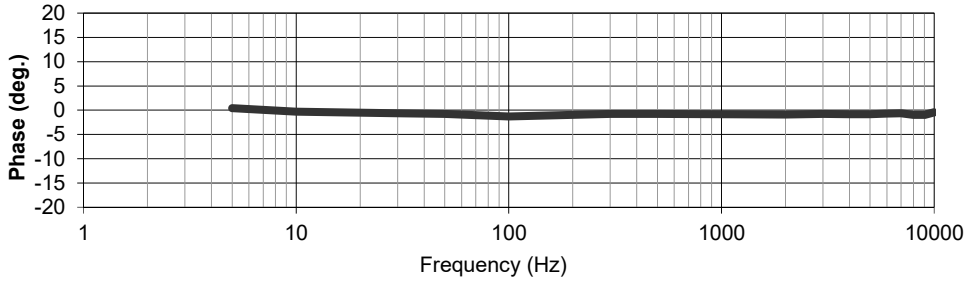
Transducer Specifications

Amp. Range:	± 500	g
Resolution:	0.0005	g
Resonant Freq:	≥ 50000	Hz
Temp. Range:	-54 to 121	°C
	-65 to 250	°F
Axis:	Uni-Axial	

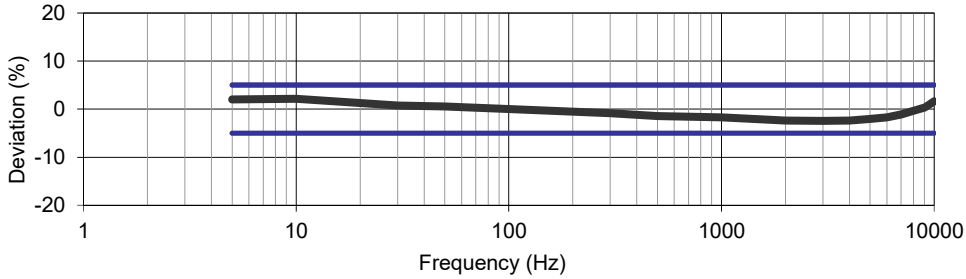
Data Table

Freq. (Hz)	Deviation (%)	Phase (deg)
5	2.0395	0.4136
10	2.1730	-0.2971
30	0.7883	-0.6005
50	0.5387	-0.7877
100	0.0000	-1.2915
300	-0.8521	-0.7951
500	-1.4239	-0.7804
1000	-1.7296	-0.8292
2000	-2.3599	-0.8944
3000	-2.4322	-0.7754
4000	-2.3662	-0.8003
5000	-2.0656	-0.8058
6000	-1.6764	-0.6789
7000	-1.1153	-0.6535
8000	-0.3861	-0.9783
9000	0.3153	-0.9544
10000	1.6117	-0.4449

Phase Response



Amplitude Response



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 2 version 7.0.2.

Proficiency in calibration traceable to PTB (17014/17004) and NIST (683/287323).

Back-to-Back Comparison Calibration per ISO 16063-21

Procedure Used: PRD-P220 or PRD-P239

Measurement uncertainty (95% confidence level with coverage factor 2) for frequency ranges tested during calibration are as follows: 5-9 Hz; ± 1.7%, 10-99 Hz; ± 1.2%, 100 Hz; ± 0.75%, 101-920 Hz; ± 1.0%, 921-5000 Hz; ± 1.4%, 5001-10,000 Hz; ± 1.9%, 10,001-15,000 Hz; ± 2.2%, 15,001-20,000 Hz; ± 2.8%.

Unit Condition

As Found: In Tolerance

As Left: In Tolerance

Lab Conditions

Temperature:	71 (22)	°F (°C)
Humidity:	56	%

Cal Date: 5-Jul-22

Due Date:

Customer

TMS Rental

Technician Notes

Approval Information

Technician: Tyler Stratman

Approval:

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ACCREDITED
2649.01
Calibration Laboratory

Cal ID: 55563