~ Calibration Certificate ~

Per ISO 16063-21

Model Number: 353B33

Serial Number: LW184234

Description: ICP® Accelerometer

Manufacturer: PCB

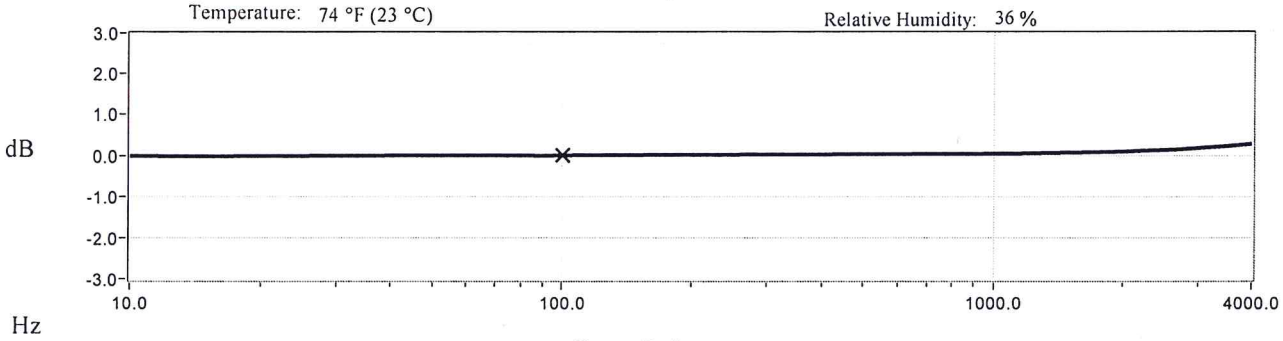
Method: Back-to-Back Comparison AT401-3

Calibration Data

Sensitivity @ 100 Hz	**101.6 mV/g**	Output Bias	10.4 VDC
	(10.36 mV/m/s²)	Transverse Sensitivity	0.6 %
Discharge Time Constant	1.0 seconds	Resonant Frequency	25.7 kHz

Sensitivity Plot

Temperature: 74 °F (23 °C) Relative Humidity: 36 %



Data Points

Frequency (Hz)	Dev. (%)	Frequency (Hz)	Dev. (%)
10	-0.3	300	0.2
15	-0.4	500	0.3
30	-0.2	1000	0.5
50	-0.1	3000	2.0
REF. FREQ.	0.0	4000	3.2

Mounting Surface: Beryllium w/Silicone Grease Fastener: 10-32 Female Fixture Orientation: Vertical
Acceleration Level (pk)[1]: 10.0 g (98.1 m/s²)
[1]The acceleration level may be limited by shaker displacement at low frequencies. If the listed level cannot be obtained, the calibration system uses the following formula to set the vibration amplitude; Acceleration Level (g) = 0.008 x (freq)². [2]The gravitational constant used for calculations by the calibration system is: 1 g = 9.80665 m/s².

Condition of Unit

As Found: n/a

As Left: New Unit, In Tolerance

Notes

1. Calibration is NIST Traceable thru Project 683/283498 and PTB Traceable thru Project 10065.
2. This certificate shall not be reproduced, except in full, without written approval from PCB Piezotronics, Inc.
3. Calibration is performed in compliance with ISO 9001, ISO 10012-1, ANSI Z540.3 and ISO 17025.
4. See Manufacturer's Specification Sheet for a detailed listing of performance specifications.
5. Measurement uncertainty (95% confidence level with coverage factor of 2) for frequency ranges tested during calibration are as follows: 5-9 Hz; +/- 2.0%, 10-99 Hz; +/- 1.5%, 100-1999 Hz; +/- 1.0%, 2-10 kHz; +/- 2.5%.

Technician: Elton Lewis EL Date: 4/6/2015

ACCREDITED
CALIBRATION CERT #1862.02

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