

## Certificate of Calibration Certificate of Calibration

Customer: ABC Aerospace, Inc.  
Customer P.O: 14012  
Transducer Manufacturer: UNHOLTZ-DICKIE  
Comments: STANDARD CALIBRATION

Reference: SO8042  
Model: 8B6

S/N: 781

Ambient temperature: 67°F (19°C)

Relative humidity: 51%

**CALIBRATION RESULTS:**

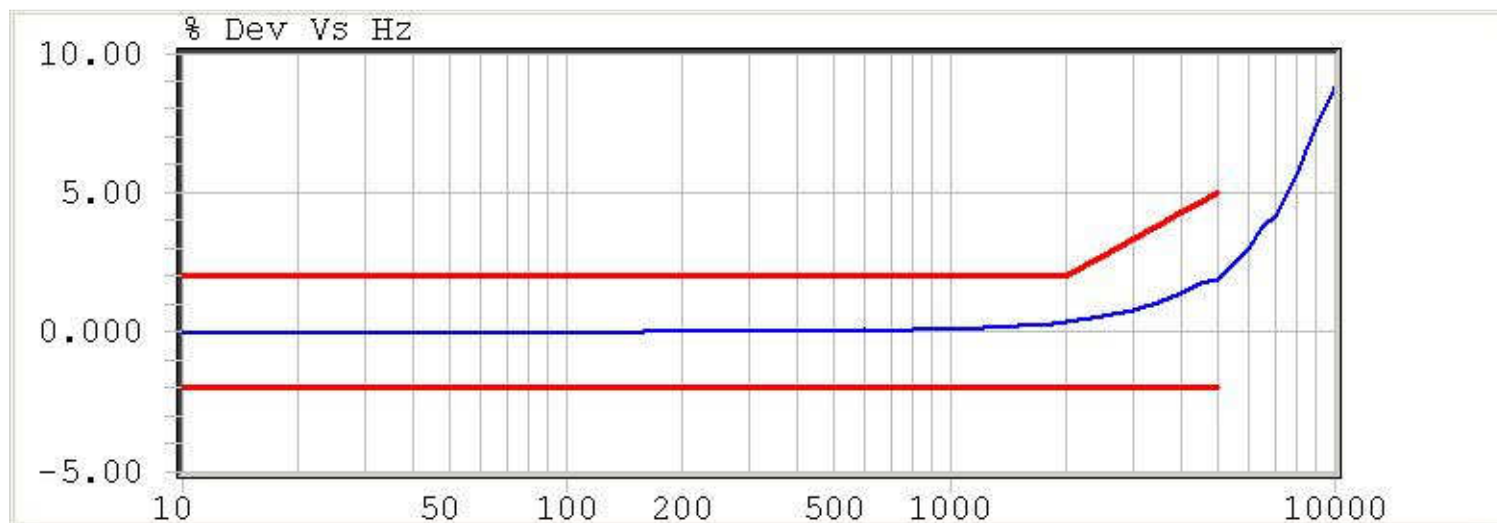
REF. LEVEL: **2.000 g**

REF. FREQUENCY: **160.0 Hz**

SENSITIVITY: **8.337 pC/g**

Freq (Hz)	Sensitivity (pC/g)	Deviation (%)	Freq (Hz)	Sensitivity (pC/g)	Deviation (%)	Freq (Hz)	Sensitivity (pC/g)	Deviation (%)
10.00	8.34	0.04	700.00	8.34	0.05	4500.00	8.48	1.77
15.00	8.34	-0.03	800.00	8.34	0.07	5000.00	8.50	1.91
30.00	8.33	-0.06	900.00	8.34	0.07	5500.00	8.55	2.49
50.00	8.33	-0.06	1000.00	8.35	0.09	6000.00	8.59	3.00
100.00	8.34	-0.02	1500.00	8.35	0.20	6500.00	8.65	3.72
160.00	8.34	-0.01	1700.00	8.36	0.26	7000.00	8.69	4.20
200.00	8.34	-0.01	2000.00	8.37	0.36	7500.00	8.75	4.92
300.00	8.34	0.00	2500.00	8.38	0.54	8000.00	8.81	5.65
400.00	8.34	0.02	3000.00	8.40	0.77	8500.00	8.88	6.51
500.00	8.34	0.03	3500.00	8.42	1.05	9000.00	8.95	7.33
600.00	8.34	0.06	4000.00	8.45	1.38	10000.00	9.07	8.81

Sensitivity-Deviation Vs Frequency



Calibrated by: \_\_\_\_\_

Calibration Date: 05/06/2016

ESTIMATED UNCERTAINTY: +/-3.3% at 2Hz decreasing to +/- 1.2% at 10 Hz; 1.2% from 10Hz to 2kHz 2.1 %; 2.1% from 2 kHz to 4kHz; +/- 2.4% at 4 kHz, increasing to +/- 3.3% at 10 kHz.

TRACEABILITY: This Calibration has been obtained by using Accelerometer measuring and Reference Standards whose calibration has been scheduled at adequate intervals to assure the stated accuracy and is traceable to NIST through Test No 683/283224-13 06-DEC-2012. Reference Accelerometer Due 01-July-2016

EQUIPMENT USED FOR CALIBRATION: APEX SL Transducer Calibration System with,

Lab Standard Transducer: 8B6

Signal Conditioner Model: TSC-3

APEX SL Serial Number: 102

Working STD Calibration: STD2012\_II-run003 on 10/16/2014

Serial Number: 345

Serial Number: 108