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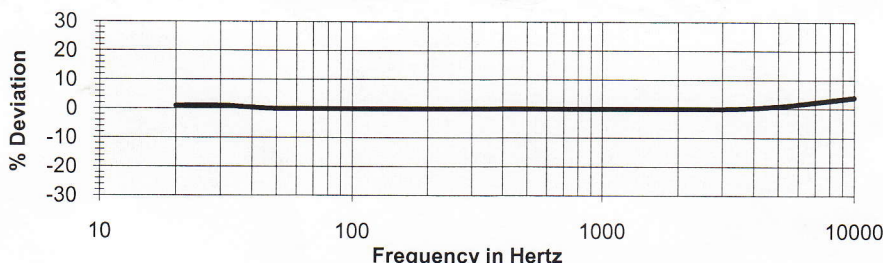
**CALIBRATION CERTIFICATE  
 VOLTAGE MODE ACCELEROMETER**

<b>CUSTOMER:</b> ALLIANTECH SAS		<b>TEST REPORT #:</b> 9121	
<b>PURCHASE ORDER #:</b> 293-252	<b>SALES ORDER #:</b> 139040	<b>PROCEDURE:</b> TP3002	
<b>MODEL:</b> 3055B1	<b>SERIAL #:</b> 9121	<b>RANGE, F.S. (g's):</b> +/- 500	
<b>NEW UNIT</b> X	<b>RE-CALIBRATION [1]</b>	<b>AS RECEIVED CODE</b>	<b>AS RETURNED CODE</b>
<b>REF. SENSITIVITY (mV/g) [2]:</b> 10.20		<b>TEMP (°C):</b> 23	<b>HUMIDITY (%):</b> 42

**FREQUENCY RESPONSE [3]**

FREQUENCY (Hz)	SENSITIVITY (mV/g)	FREQUENCY (Hz)	SENSITIVITY (mV/g)
20	10.30	500	10.20
30	10.30	1000	10.20
50	10.20	3000	10.20
100	10.20	5000	10.30
300	10.20	8000	10.50
<b>TRANSVERSE SENSITIVITY (%):</b> 1.1		10000	10.60
<b>DISCHARGE TIME CONSTANT (sec):</b> 0.70		<b>BIAS VOLTAGE (VDC):</b> 12.1	

**Amplitude Response**



**REMARKS:**

**TEST EQUIPMENT LIST - CALIBRATION STATION # 9**

DII #	MANUFACTURER	MODEL	SERIAL #	DESCRIPTION	CAL DATE	DUE DATE
540	BERAN INSTRUMENTS	475	182448	VIBRATION CALIBRATOR	06/06/09	06/06/10
541	BERAN INSTRUMENTS	801A	A004	DUAL AMPLIFIER UNIT	06/06/09	06/06/10
692	FLUKE	45	6976018	MULTIMETER	12/24/08	12/24/09
1063	NICOLET	3091	85D02021	DIGITAL OSCILLOSCOPE	01/30/09	01/30/10
686	DYTRAN INST.	3010M14	1684	ACCELEROMETER	10/08/09	10/08/10

[1] AS RECEIVED / AS RETURNED CODES:  
 1 = IN TOLERANCE, NO ADJUSTMENTS    4 = OUT OF TOLERANCE > 5%    7 = UNIT NON-REPAIRABLE, RECOMMEND REPLACEMENT  
 2 = IN TOLERANCE, BUT ADJUSTED    5 = REPAIR REQUIRED    8 = UNIT SERVICEABLE WITH CURRENT CALIBRATION DATA  
 3 = OUT OF TOLERANCE < 5%    6 = REPAIRED AND CALIBRATED

[2] THE REFERENCE SENSITIVITY IS MEASURED AT 100 Hz, 1G RMS.

[3] THIS CALIBRATION WAS PERFORMED IN ACCORDANCE WITH ANSI/NCSL Z540-1-1994, ISO 10012-1, ISO/IEC17025 USING THE BACK-TO-BACK COMPARISON METHOD PER ISA RP37.2 AND IS TRACEABLE TO THE NIST THROUGH TEST REPORT # 12495-120H DUE 10-08-10

ESTIMATED UNCERTAINTY OF CALIBRATION: 2% FROM 20-100 Hz, 1.5% FROM 100-2500 Hz, 2.8% FROM 2.5KHZ-10 kHz. APPLIES TO FREQUENCY RESPONSE ONLY.

THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN PERMISSION FROM DYTRAN INSTRUMENTS, INC.

**CALIBRATION TECHNICIAN:** *Phuoc Tran*  
**PHUOC TRAN**

**TEST DATE :** 10/23/09  
**RECOMMENDED RECALL DATE :** 10/23/10