



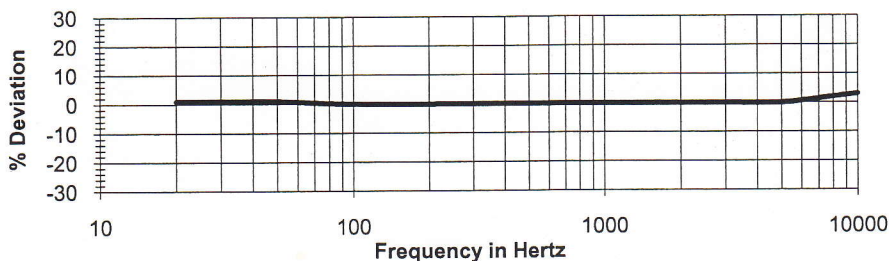
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**CALIBRATION CERTIFICATE  
 VOLTAGE MODE ACCELEROMETER**

CUSTOMER: ALLIANTECH SAS		TEST REPORT #: 9122	
PURCHASE ORDER #: 293-252		SALES ORDER #: 139040	
PROCEDURE: TP3002		MODEL: 3055B1	
SERIAL #: 9122		RANGE, F.S. (g's): +/- 500	
NEW UNIT	X	RE-CALIBRATION [1]	AS RECEIVED CODE
REF. SENSITIVITY (mV/g) [2]: 9.90		TEMP (°C): 23	HUMIDITY (%): 42
<b>FREQUENCY RESPONSE [3]</b>			
FREQUENCY (Hz)	SENSITIVITY (mV/g)	FREQUENCY (Hz)	SENSITIVITY (mV/g)
20	10.00	500	9.90
30	10.00	1000	9.90
50	10.00	3000	9.90
100	9.90	5000	9.90
300	9.90	8000	10.10
TRANSVERSE SENSITIVITY (%): 1.0		10000	10.20
DISCHARGE TIME CONSTANT (sec): 0.70		BIAS VOLTAGE (VDC): 12.3	

**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
- 2 = IN TOLERANCE, BUT ADJUSTED
- 3 = OUT OF TOLERANCE < 5%
- 4 = OUT OF TOLERANCE > 5%
- 5 = REPAIR REQUIRED
- 6 = REPAIRED AND CALIBRATED
- 7 = UNIT NON-REPAIRABLE, RECOMMEND REPLACEMENT
- 8 = UNIT SERVICEABLE WITH CURRENT CALIBRATION DATA

[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