

ok 2012

ENS - Lyon

P56.61/3



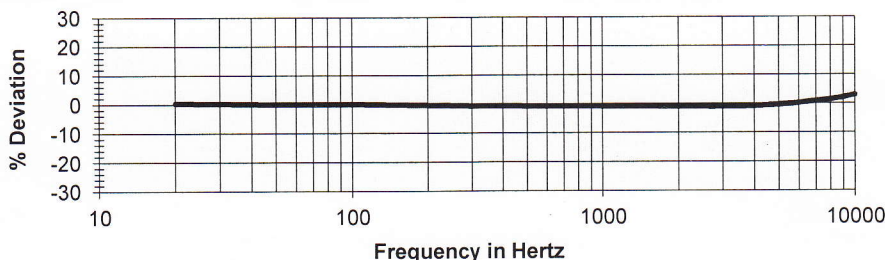
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**CALIBRATION CERTIFICATE  
 VOLTAGE MODE ACCELEROMETER**

<b>CUSTOMER:</b> ALLIANTECH SAS		<b>TEST REPORT #:</b> 17278	
<b>PURCHASE ORDER #:</b> 2012-3-239		<b>SALES ORDER #:</b> 156043	<b>PROCEDURE:</b> TP3002
<b>MODEL:</b> 3055B1	<b>SERIAL #:</b> 17278	<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> 9.81		<b>TEMP (°C):</b> 24	<b>HUMIDITY (%):</b> 38
<b>FREQUENCY RESPONSE [3]</b>			
<b>FREQUENCY (Hz)</b>	<b>SENSITIVITY (mV/g)</b>	<b>FREQUENCY (Hz)</b>	<b>SENSITIVITY (mV/g)</b>
20	9.84	500	9.74
30	9.83	1000	9.73
50	9.81	3000	9.71
100	9.81	5000	9.77
300	9.75	8000	9.94
<b>TRANSVERSE SENSITIVITY (%):</b> 1.1		10000	10.09
<b>DISCHARGE TIME CONSTANT (sec):</b> 0.9		<b>BIAS VOLTAGE (VDC):</b> 12.2	

**Amplitude Response**



**REMARKS:**

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

DII #	MANUFACTURER	MODEL	SERIAL #	DESCRIPTION	CAL DATE	DUE DATE
1202	NATIONAL INSTRUMENTS	PCI-4461	149810F	DATA ACQUISITION CARD	02/14/12	02/14/13
686	DYTRAN INST	3010M14	1684	ACCELEROMETER	02/03/12	02/03/13

[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 # 0306 DUE 02-03-2013

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 :** 10/17/12

**RECOMMENDED RECALL DATE :** 10/17/13