

Oct. 2012

ENS. LYON

PSG-61/4



Dytran Instruments, Inc.

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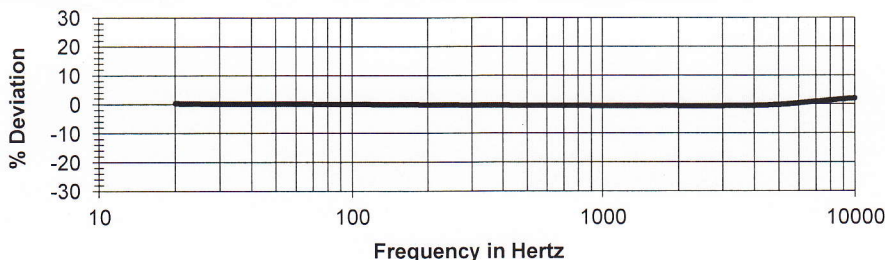
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CALIBRATION CERTIFICATE VOLTAGE MODE ACCELEROMETER

CUSTOMER: ALLIANTECH SAS		TEST REPORT #: 17279	
PURCHASE ORDER #: 2012-3-239	SALES ORDER #: 156043	PROCEDURE: TP3002	
MODEL: 3055B1	SERIAL #: 17279	RANGE, F.S. (g's): +/- 500	
NEW UNIT X	RE-CALIBRATION [1]	AS RECEIVED CODE	AS RETURNED CODE
REF. SENSITIVITY (mV/g) [2]: 9.83		TEMP (°C): 24	HUMIDITY (%): 38
FREQUENCY RESPONSE [3]			
FREQUENCY (Hz)	SENSITIVITY (mV/g)	FREQUENCY (Hz)	SENSITIVITY (mV/g)
20	9.86	500	9.79
30	9.84	1000	9.78
50	9.84	3000	9.77
100	9.83	5000	9.81
300	9.80	8000	9.96
TRANSVERSE SENSITIVITY (%): 1.2		10000	10.03
DISCHARGE TIME CONSTANT (sec): 1.1		BIAS VOLTAGE (VDC): 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