

ENS LYON

P96.94/1



Dytran Instruments, Inc.
 21592 Marilla St. Chatsworth, CA 91311 Ph: 818-700-7818
 Fax 818-698-0362, www.dytran.com email: info@dytran.com



CALIBRATION CERTIFICATE

CUSTOMER:	ALLIANTECH SAS	STATION:	6	REPORT #:	7439
PO #:	FBC200585	SO#:	208957	TEMP (°C):	24
MODEL:	3145A1	S/N:	7439	TYPE[1]:	1
				AS RECEIVED:	AS RETURNED:

Input	Frequency	Sens					
g's	Hz	mV/g					
1.00	20	10.24					
1.00	30	10.42					
1.00	50	10.37					
1.00	100	10.34					
1.00	300	10.15					
1.00	500	10.19					
1.00	1000	10.12					
1.00	2000	10.06					
1.00	3000	10.01					
1.00	4000	9.96					
1.00	5000	10.00					
1.00	6000	9.93					
1.00	7000	10.03					
1.00	8000	10.05					
1.00	9000	9.97					
1.00	10000	9.98					

CALIBRATION EQUIPMENT		
DII#	DESCRIPTION	CAL. DUE DATE
2154	DAQ	5/24/2021
1868	ACCELEROMETER	4/23/2021

CALIBRATION NOTES:

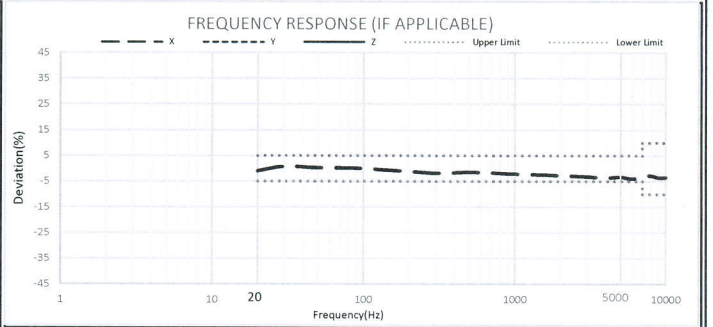
* [1] CALIBRATION TYPE CODE:
 1-NEW UNIT 2-RE-CALIBRATION
 * [2] IF APPLICABLE
 * [3] UNCERTAINTY STATEMENT APPLIES TO CALIBRATED PARAMETERS ONLY
 * [4] THIS CALIBRATION WAS PERFORMED IN ACCORDANCE WITH ANSINC/SL Z540-1-1994, ISO 10012-1, ISO/IEC 17025, AND TRACEABLE TO NIST
 * [5] IN CASE OF IEPE SENSOR THE CALIBRATION IS PERFORMED USING 24 VDC COMPLIANCE VOLTAGE LIMITED TO 5 mA OF CURRENT
 * [6] COMPLIANCE JUDGEMENT IS MADE ON READINGS. UNCERTAINTY OF CALIBRATION IS NOT TAKEN INTO ACCOUNT.

* AS RECEIVED/AS RETURN 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

* ESTIMATED UNCERTAINTY OF CALIBRATION [3]
 SENSITIVITY OVER FREQUENCY: 1-20HZ-2.1%, 20-100HZ-1.9%, 100-2,500HZ-1.5%, 2,500-10,000HZ-2.8%
 SENSITIVITY AT TEMPERATURE: 4.3%
 TRANSVERSE SENSITIVITY: 3.6%
 ACOUSTIC PRESSURE: 130dB 7.6%, 140dB 2.7%, 150dB 1.5%, 160dB 1.3%
 STATIC FORCE: 10-500LBF-1.0%, 500-1,000LBF-1.3%, 1,000-10,000LBF-1.1%, 10,000-100,000LBF-1.2%
 DEAD WEIGHT: 0.7%
 DROP-SHOCK: 3.0%
 STATIC PRESSURE: 5-100PSI-2.4%, 100-10,000PSI-1.0%
 IMPULSE FORCE: 1000LBF-3.8%, 1000-5000LBF-1.0%
 LINEARITY: 100HZ-1.9%, 500HZ-1.8%, 1,000HZ-2.9%
 DC-VOLTAGE: 0.1%
 COVERAGE FACTOR K=2, CONFIDENCE LEVEL 95%
 SINGLE ENDED MEMS UNIT: 0HZ-6.38%, 20-100HZ-6.80%, 100-500HZ-6.54%
 *ACCREDITATION CALIBRATION IS ONLY FOR PARAMETERS WHICH ARE STATED FOR

BIAS	VDC	12.23	Cal. Tech.:	
TRANSVERSE SENS. (%):	2.90	ISSUE DATE:	12/8/2020	
DISCHARGE T.C. (SEC.):	0.80	TEST DATE:	12/8/2020	

* THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN PERMISSION FROM DYTRAN INSTRUMENTS, INC. *DATA RESULTS RELATE ONLY TO THE MODEL AND SERIAL PRESENTED ON THE CERTIFICATE *LIMITATION OF USE: IN ACCORDANCE WITH PERFORMANCE SPECIFICATION OF CALIBRATED MODEL.



-----END OF REPORT-----

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P96.94/2



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CALIBRATION CERTIFICATE

CUSTOMER: ALLIANTECH SAS			STATION: 6	REPORT #: 7441
PO #: FBC200585	SO#: 208957		TEMP (°C): 24	PROCEDURE: TP-3002
MODEL: 3145A1	S/N: 7441		TYPE[1]: 1	AS RECEIVED: AS RETURNED:

Input	Frequency	Sens					
g's	Hz	mV/g					
1.00	20	9.92					
1.00	30	9.79					
1.00	50	9.73					
1.00	100	9.77					
1.00	300	9.74					
1.00	500	9.67					
1.00	1000	9.63					
1.00	2000	9.57					
1.00	3000	9.56					
1.00	4000	9.51					
1.00	5000	9.58					
1.00	6000	9.53					
1.00	7000	9.56					
1.00	8000	9.58					
1.00	9000	9.54					
1.00	10000	9.55					

CALIBRATION EQUIPMENT		
DII#	DESCRIPTION	CAL. DUE DATE
2154	DAQ	5/24/2021
1868	ACCELEROMETER	4/23/2021

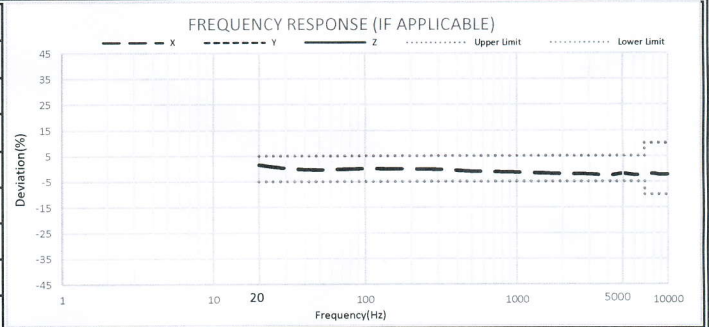
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BIAS	VDC	12.18	Cal. Tech.: DEREK MONTES
TRANSVERSE SENS. (%):	2.40	ISSUE DATE:	12/8/2020
DISCHARGE T.C. (SEC.):	0.80	TEST DATE:	12/8/2020



-----END OF REPORT-----