

Dytran Instruments, Inc.

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CALIBRATION CERTIFICATE LIVM HIGH INTENSITY MICROPHONE



CUSTOMER: AL			LIANTECH SAS			REPORT	#: 22	95	8/16/2013	
PURCHASE ORDER #: FB			SALES ORDER #			160836 PROCEDURE:			TP2006	
MODEL: 2013D		SER	SERIAL # : 2295		TEMP (°C): 22		н	HUMIDITY (%): 40		
NEW UNIT X RE-CALIB			RATION [1] AS RECEIVED			DDE AS RETURNED CODE			CODE	
CALIBRA	ATION PERFORME	D AT 1000 Hz		RES	SOLUTION (d	B) [2]:	78.7			
BIAS VO	PLTAGE (VDC)	12.6		RAN	IGE, F.S. (ps): 2.5	66	178.93	dB [2]	
SOUNE	PRESSURE LEVE	L (dB) SE	SENSOR OUTPUT LEVEL (mV)				SENSOR SENSITIVITY (mV/psi)			
	130		18.49				2009.78			
140			55.17				1902.41			
150			176.7				1920.65			
160			565.80				1951.03			
		TEST EQUIPI	MENT LIST	- CALIBI	RATION STA	TION #	7			
DII#	MANUFACTURE	R MODEL	SERIA	L#	DESCRIPTION		CA	L DATE	DUE DATE	
017	NICOLET	310	IAQ9406	3710	DIGITAL OSCIL	IGITAL OSCILLOSCOPE		6/07/12	09/07/13	
	DYTRAN INST.	2013D	2232		MICROPH	MICROPHONE		9/07/12	09/07/13	
1113] = 5,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	l l						0,0,,,2	00,01,70	
1113 1439	FLUKE	8808A	47579	1	MULTIME		10	0/10/12	10/10/13	
1439 [1] AS RECE 1 = IN 2 = IN		ES: MENTS 4 = OUT ED 5 = REPA	47579 OF TOLERANC IR REQUIRED IRED AND CAL	E > 5%		TER PAIRABLE, RE	COMMEND	0/10/12 REPLACEMI	10/10/13 ENT	
1439 [1] AS RECE 1 = IN 2 = IN 3 = OI [2] ZERO dB THIS CALIBI NUMBER OF	FLUKE EIVED / AS RETURNED COL TOLERANCE, NO ADJUST TOLERANCE, BUT ADJUS	ES: MENTS	DF TOLERANC IR REQUIRED IRED AND CAL PSI. PSI. PA, ANSI/NCSL TAINTY OF CA	E > 5% JBRATED Z540-1-1994, LIBRATION: 2	MULTIME 7 = UNIT NON-RE 8 = UNIT SERVICE ISO 10012-1 WITH 2.5%.	PAIRABLE, REEABLE WITH C	COMMEND CURRENT CA	0/10/12 REPLACEMI	10/10/13 ENT DATA	

RECALL DATE:

08/16/14

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CUSTOMER: AL		ALLIANTE	LIANTECH SAS TEST			2295	8/16/2013		
PURCHASE ORDER #: FE		FB100340	SALE	S ORDER #: 1	60836 P	PROCEDURE: TP2006			
MODEL:	2013D	SERI	AL #: 2295	TEMP (°C):	22	HUMIDITY	(%): 46		
NEW UN	IIT X RE-C	CALIBRATION	I [1] A	S RECEIVED CO	DE A	S RETURNED	CODE		
CALIBRA	ATION PERFORMED	AT 1000 Hz		RESOLUTION (di	B) [2]: 78	8.7			
BIAS VO	OLTAGE (VDC) 1	2.6		RANGE, F.S. (psi): 2.56	178.93	dB [2]		
SOUNE	PRESSURE LEVEL	(dB) SEN	ISOR OUTPUT	LEVEL (mV)	SENSOR SENSITIVITY (mV/psi)				
	130		18.49			2009.78			
	140		55.17			1902.41			
	150		176.7			1920.65			
	160		565.80			1951.03			
	7	EST EQUIPM	ENT LIST - CAL	IBRATION STAT	I TION # 7				
DII#	MANUFACTURER	MODEL	SERIAL#	DESCRIP	TION	CAL DATE	DUE DAT		
017	NICOLET	310	IAQ9406710		DIGITAL OSCILLOSCOPE		09/07/13		
1113	DYTRAN INST.	2013D	2232	MICROPH	MICROPHONE		09/07/13		
1439	FLUKE	8808A	475791	MULTIMETER		10/10/12	10/10/13		
1 = IN	EIVED / AS RETURNED CODES I TOLERANCE, NO ADJUSTME I TOLERANCE, BUT ADJUSTEI	NTS 4 = OUT O	F TOLERANCE > 5% R REQUIRED RED AND CALIBRATE	8 = UNIT SERVICE	•	MMEND REPLACEM RENT CALIBRATION			
3 = Ol [2] ZERO dB	UT OF TOLERANCE < 5% REFERENCE = .0002 DYNE / RATION WAS PERFORMED PE	CÍÝ ² OR 2.9 X 10 ⁻⁹ F		1994, ISO 10012-1 WITH	A NIST TRACEABI	LE			
3 = OU [2] ZERO dB THIS CALIBI NUMBER OF	REFERENCE = .0002 DYNE /	CM ² OR 2.9 X 10 ⁻⁹ F ER MIL-STD-45662A TIMATED UNCERT	., ANSI/NCSL Z540-1-1 AINTY OF CALIBRATI	ON: 2.5%.		N INSTRUMENTS, IN			