

SOUTHWEST RESEARCH INSTITUTE

Calibration Laboratory

WORK ORDER

Received by RCRUZ, 10/25/01 4:18:09PM

Arrived 10/25/01

Work Order **444045906**

Asset No 009014 Manufacturer PCB PIEZOTRONICS

Model 113A21

Equipment Type PRESSURE TRANSDUCER

Serial No. 10453

Accessory No.

Interval 12 M

Calibration Procedure _____

Location

Div/Client DIV20

Custodian MELISSA HILL

Mail Stop B51

Tel 2636

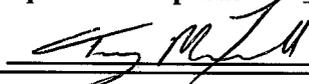
IN4CAL

Special Instructions _____

Notify before adjustments or repairs. () Provide data with certificate () Certificate Type _____

Charge/Project No. 01402.461 1.20

Requester / Telephone TROY MAXWELL X2012

This information is correct for the work requested. 

WORK NOTES

Date	Hours	Remarks/Notes
		P.C.B. RMA # 102301 JMM.
		Complete by Thursday 8 Nov 01
		calibrate @ 5° ea.
		888-684-0011 P.O.L. Deeds
10-201		They will ship back 11-8-01

Date	Hours	Part Name	Part Number	Failure Description	Cost

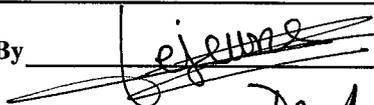
Failure Description None - Marie LEJEUNE { Office 6219
Lab 3499

Repair Action _____

Tech PCB Cal Hrs. _____ Repair Hrs. _____ Parts Cost _____ Temp 69 F Hum. 20 %

Standards Used Vander

Date Picked Up Nov. 14, 2001

Picked Up By 
Dr. A.M. Lejeune

445906

11-08-01 PCB notified us there standard is Down.

11-09-01 ~~down~~ fix by Monday - Tuesday latest.

Explained to them we need them here
by Wednesday no exceptions calibrated
or not.

4280c



CALIBRATION CERTIFICATE

Model: 113A21
Serial #: 10453
Description: Pressure Sensor
Type: ICP

Date: 11/12/01
By: Tom Johnston, Cal. Tech. *TJ*
Station: Aronson #1

Sensitivity*: 23.93 mV/PSI
Linearity*: 0.74% FS

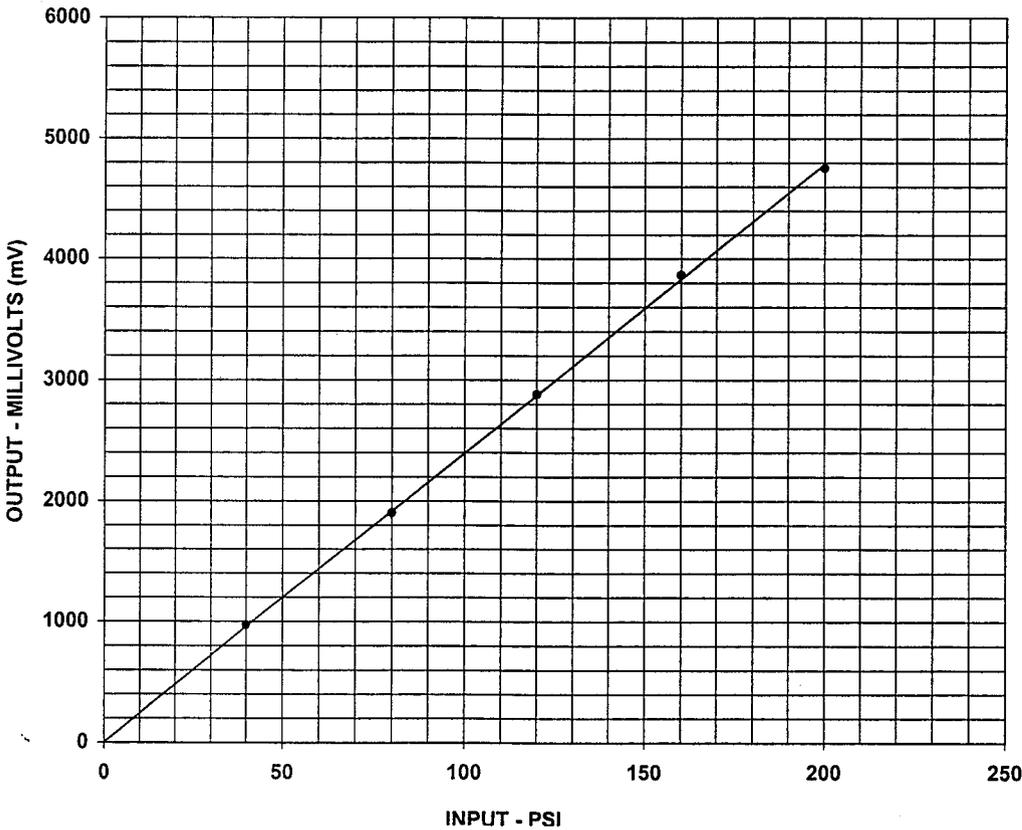
Temp: 69 deg F [21 deg C]
Humidity: 20 %

Bias: 10.2 VDC
* Zero based, least-squares straight line.

Cert #: 104956

Condition of Unit:
As Found: In tolerance
As Left: In tolerance

- Notes:
- 1 Calibration is traceable to NIST and complies with ISO 10012-1 and former MIL-STD-45662A.
 - 2 NIST traceability through project # 38126
 - 3 This certificate may not be reproduced, except in full, without written approval.



TEST DATA

INPUT (PSI)	OUTPUT (mV)
40.0	969
80.0	1904
120	2880
160	3864
200	4754

PCB PIEZOTRONICS, INC.
3425 Walden Avenue, Depew NY 14043
Tel: 716-684-0001 Fax: 716-684-0987
Email: sales@pcb.com Web: www.pcb.com

ISO 9001 CERTIFIED

**SOUTHWEST RESEARCH INSTITUTE
CALIBRATION LABORATORY
MEMORANDUM**

November 14, 2001

To: MELISSA HILL DIV20 B51

From: Walt Hill, Supervisor 
Institute Calibration Laboratory

Subject: Calibration by an approved supplier

Manufacturer/Model: PCB PIEZOTRONICS 113A21
Description: PRESSURE TRANSDUCER
Serial Number: 10453
Asset Number: 009014
Work Order Number: 444045906
Date Calibrated: November 12, 2001
Remarks: PCB CERTIFICATE #104957.

Supplier: PCB PIEZOTRONICS, DEPEW, NY

The above item was sent to an approved supplier who is listed on the SwRI Approved Suppliers List (ASL). This supplier is qualified to supply a product or service in support of project activities that require the use of approved suppliers. Please notify the Institute Calibration Laboratory, extension 5215, of any discrepancies with the item or calibration documentation.

Attachment(s) 1