

SOUTHWEST RESEARCH INSTITUTE

Calibration Laboratory

WORK ORDER

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

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Arrived 10/25/01

Work Order **444045903**

Asset No 009017 Manufacturer PCB PIEZOTRONICS

Model 113A21

Equipment Type PRESSURE TRANSDUCER

Serial No. 10546

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
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Date	Hours	Part Name	Part Number	Failure Description	Cost
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

WORK SUMMARY

Failure Description _____

Repair Action _____

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

Standards Used Vendor

Date Picked Up Nov. 14, 2001

Picked Up By ~~Lejune~~
Dr. A. M. Lejune

45903



CALIBRATION CERTIFICATE

Model: 113A21
Serial #: 10546
Description: Pressure Sensor
Type: ICP

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

Sensitivity*: 22.11 mV/PSI
Linearity*: 0.83% FS

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

Bias: 10.3 VDC
* Zero based, least-squares straight line.

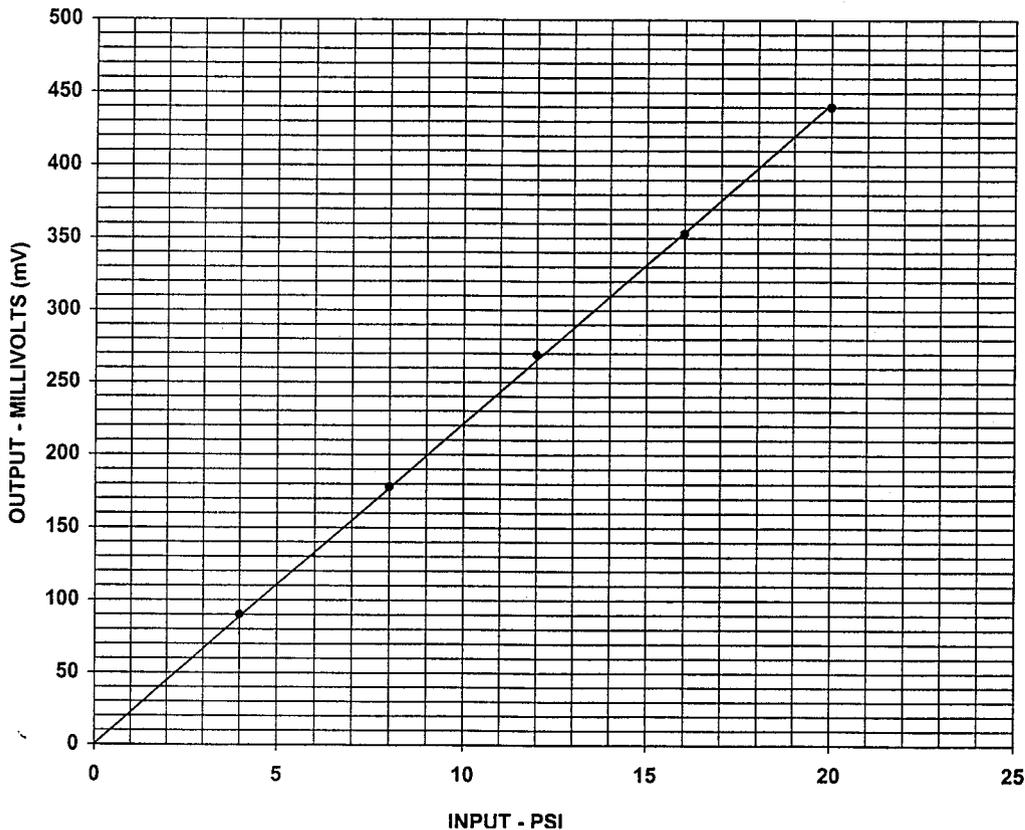
Cert #: 104965

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)
4.00	90
8.00	178
12.0	269
16.0	353
20.0	440

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 *WH*
Institute Calibration Laboratory
Subject: Calibration by an approved supplier

Manufacturer/Model: PCB PIEZOTRONICS 113A21
Description: PRESSURE TRANSDUCER
Serial Number: 10546
Asset Number: 009017
Work Order Number: 444045903
Date Calibrated: November 12, 2001
Remarks: PCB CERTIFICATE #104965.

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) *J*