







# CALIBRATION CERTIFICATE

Model: 113A21  
Serial #: 10454  
Description: Pressure Sensor  
Type: ICP

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

Sensitivity\*: 24.80 mV/PSI  
Linearity\*: 0.32% FS

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

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

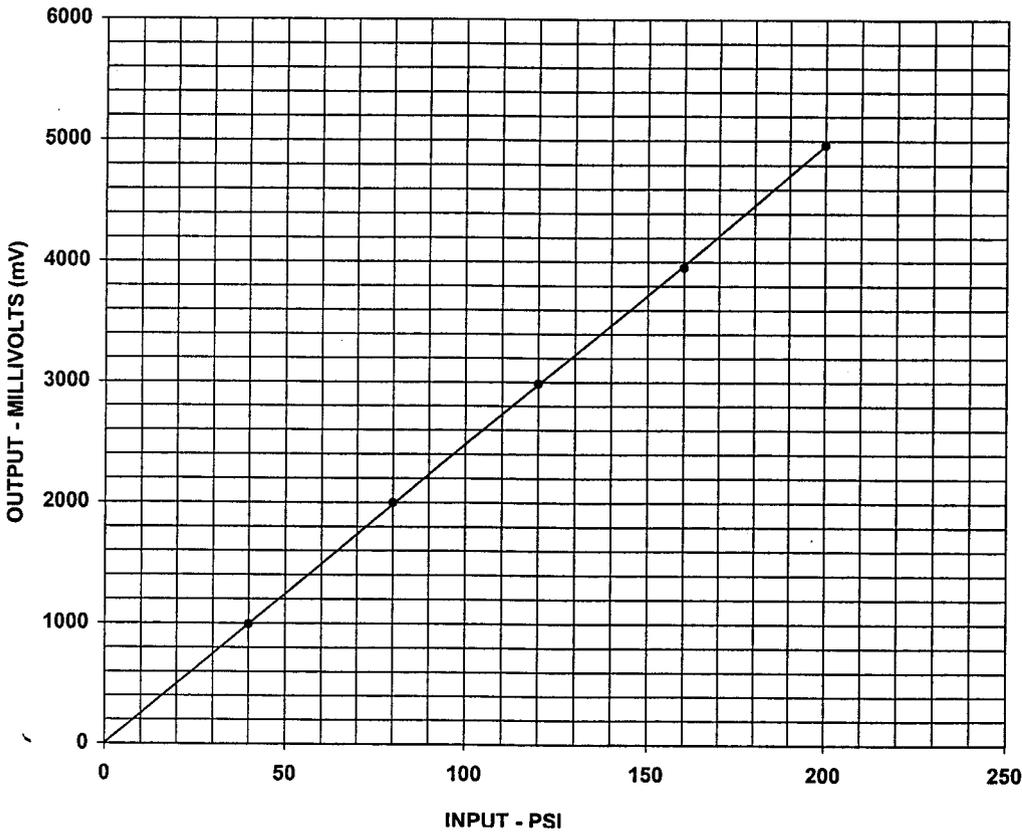
Cert #: 104959

### 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	991
80.0	1996
120	2984
160	3952
200	4964

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:** 10454  
**Asset Number:** 009015  
**Work Order Number:** 444045905  
**Date Calibrated:** November 12, 2001  
**Remarks:** PCB CERTIFICATE #104958.

**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) 