

# Calibration Report: Pressure Transducer

27 June 2001

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## Summary

Calibration Date: 27 June 2001

Next Calibration Date: 27 June 2002

A collection, analysis and calibration of data from Pressure Transducer, S/N 1370787 has been completed. The calibrations were performed by the manufacturer Setra Systems, Inc. These data were collected by Setra Systems, Inc. 27 June 2001.

MODEL : 270

SERIAL NUMBER : 1370787

The test data presented in data table format show the transducers output in VDC as it is to its applied pressure in millibars (mb). The Non-linearity errors and extrapolated errors in %FS (full scale) are noted. This unit meets the specifications detailed on the next page.

APPLICATION: Add corrections to measurements per post calibration table.

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# Calibration Certificate

Technician: JR  
 Part No: 270100-SP  
 Model: 270

Serial No: 1370787      Range: 800 to 1100 HPA/MB  
 Work Order: 68510      Nom. Output: 0 to 5 VDC  
 Date: 06/27/2001      Supply: 12VDC

## CALIBRATION DATA

APPLIED PRESSURE (HPA/MB)	TRANSDUCER OUTPUT (VDC)	NONLINEARITY ERRORS (% FS)	EXTRAPOLATED ERRORS (% FS)
800.0000	-0.0004	0.000	Zero -0.008
900.0000	1.6665	0.002	
1000.0000	3.3318	-0.025	Span 0.004
1100.0000	4.9998	0.000	

## SPECIFICATIONS

1. Nonlinearity: +/- 0.05 %FS, END POINT method, ISA.#S-37.1
2. Zero pressure output: 0 VDC +/- 0.1 %FS
3. Full Scale output: 5 VDC +/- 0.1 %FS
4. This unit meets the specifications defined above.

## NOTES

1. All errors are expressed as: Percent Full-Scale output.
2. Consult specification sheet for additional specifications.
3. This calibration is certified per N.I.S.T. traceable primary standards.  
 Primary standard: P2-325/C2-319, NIST# 838/258930-97/DH9195  
 Primary standard cal. date: 8/26/99  
 Location of cal.: INPCCTR1
4. This part uses spec. record number: 270100-01-623.4
5. This certificate cannot be reproduced except in full, without the written approval of Setra Systems, Inc.

## COMMENTS

623,703,810