

Calibration Report: Digital Pressure Indicator
s/n 41631
ECN: 0468369

27 January 1998

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SUMMARY

Calibration date: 27 January 1998. Next calibration due: 27 January 2000.

A collection, analysis and calibration of data from a Digital Pressure Indicator, s/n 41631, has been completed. The calibration was performed by the calibration laboratory, Wyle Laboratories. Wyle Laboratories collected these data on 27 Jan 1998.

Model : 361B
Serial Number : 41631

The test data presented in data table format show the deviation between test instrument in millibars and true pressure in millibars. The test readings fall within the stated manufacturer tolerance of +/- 0.3 millibars.

Application:

Add corrections to measurements per post calibration table.

NASA-LRC-EXPERIMENTAL TESTING TECHNOLOGY DIVISION
REPORT OF CALIBRATION-WYLE LABORATORIES

CALIBRATION OF A DIGITAL PRESSURE INDICATOR

MANUFACTURER SETRA ECN/MCN 0468369 DATE 01-27-98
MODEL NO. 361B SER. NO. 41631 CAL. BY W4623
RANGE 800-1100 MILLIBARS W.O. NO. 426354 ORDER NO.

WYLE 3

REF STD: RUSKA QUARTZ PRESSURE STANDARD, 0-1000 TORR,
GFE. NO. 3925, CALIBRATED 06-24-97.
MFR TOLERANCE +/- 0.3 MILLIBARS.

CALIBRATION NUMBER 1

| INDICATION OF STANDARD TORR | TRUE PRESSURE MILLIBARS | INDICATION OF TEST INSTRUMENT MILLIBARS | DEVIATION MILLIBARS |
|--------------------------------------|-------------------------------|--|------------------------|
| 600.06 | 800.00 | 799.9 | -0.1 |
| 645.06 | 859.99 | 860.0 | 0.0 |
| 690.07 | 920.00 | 920.1 | 0.1 |
| 712.57 | 950.00 | 950.1 | 0.1 |
| 735.07 | 980.00 | 980.1 | 0.1 |
| 780.08 | 1040.00 | 1039.9 | -0.1 |
| 825.08 | 1100.00 | 1099.8 | -0.2 |
| 802.58 | 1070.00 | 1069.8 | -0.2 |
| 757.58 | 1010.01 | 1010.0 | -0.0 |
| 712.57 | 950.00 | 950.1 | 0.1 |
| 667.57 | 890.00 | 890.1 | 0.1 |
| 622.56 | 830.00 | 830.0 | 0.0 |
| 600.06 | 800.00 | 799.9 | -0.1 |

CONVERSION FACTOR 1.333200
TEST INSTRUMENT TEMPERATURE 22.2 DEG C.
AMBIENT TEMPERATURE 22.2 DEG C.
BAROMETRIC PRESSURE 30.222 INHGA
HUMIDITY 27 PERCENT.

DATA REDUCTION PROGRAM - GAUGE.BAS.
DATA SHEET APPROVED BY - W2246