



Pressure Transmitter Certification

Application Notes

Rev. 01/27/06

BAPI measures and records the output of every ZPS pressure transmitter at several points before we send them to our customers. For calibration, BAPI has a digital pressure controller that produces pressures accurate to ±0.0011 inches of water. When a customer requests a calibration certificate, the data for that specific sensor is collected from our calibration database. Because the data is kept in our calibration database, customers may request certifications at any time. Please provide the transmitter serial number for ease of retrieval. The figure below is actual data from an order. If you have any questions about the certification documents, please contact your BAPI representative.

CERTIFICATE OF CALIBRATION

| | | | | | |
|---------------|------------------------|----------------|---------------------------|---------------|----------------|
| Customer | Your Company Name | Order # | Your Order # | CalDate | 2/17/2006 |
| Serial # | ZPS-20-SR07-NT-250-FMK | | | CalDue | 5/18/2006 |
| Certificate # | BCEC1226 | Cal. Procedure | Test calibration filename | Calibrated By | Tim VanBlarcom |

Environmental Conditions
 Humidity %RH Temperature °F Pressure Pascals

Calibration Standards

| BAPI ID# | Description | Uncertainty |
|----------|-----------------------------|-------------|
| BAPI0002 | Digital Pressure Controller | 0.0011" h2o |
| BAPI0119 | Digital Multimeter | .001% |
| BAPI0018 | Power supply | 1% |
| | | |
| | | |

Results

| Test | Units | Reference | Uncertainty | As Found | Difference | As Left | Difference |
|---------------|---------|-----------|-------------|----------|------------|---------|------------|
| 0 To .10 | in W.C. | .070 | .001% | .0697 | -.0003 | .0697 | -.0003 |
| -0.10 to 0.10 | in W.C. | .070 | .001% | .0698 | -.0002 | .0698 | -.0002 |
| -0.25 to 0.25 | in W.C. | .070 | .001% | .0704 | .0004 | .0704 | .0004 |
| 0 to 0.25 | in W.C. | .070 | .001% | .0709 | .0009 | .0709 | .0009 |
| 0 to 1.00 | in W.C. | .50 | .001% | .5007 | .0007 | .5007 | .0007 |
| -1.00 to 1.00 | in W.C. | .50 | .001% | .5011 | .0011 | .5011 | .0011 |
| -2.5 to 2.5 | in W.C. | 2.00 | .001% | 2.0115 | .0115 | 2.0115 | .0115 |
| 0 to 2.50 | in W.C. | 2.00 | .001% | 2.0070 | .007 | 2.0070 | .007 |
| 0 to 5.00 | in W.C. | 2.00 | .001% | 2.0065 | .0065 | 2.0065 | .0065 |
| -5.00 to 5.00 | in W.C. | 2.00 | .001% | 2.0220 | .022 | 2.0220 | .022 |

Notes:

This notification serves to certify that the unit described above has been inspected and tested in accordance with specifications published by Building Automation Products Inc.

The accuracy and calibration of this instrument are traceable through reference standards that are compared, at planned intervals, to national standards maintained by the National Institute of Standards and Technology (NIST), by comparison to natural physical constants.

The measurement standards which support this calibration are calibrated on a schedule to maintain the required accuracy level.

For recalibration and recertification of this unit or for other testing or calibration services contact:

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Fax (608) 735-4804