**Series HADP Differential Pressure Transmitter** combines low ranges with exceptional stability, reliability and an outstanding accuracy of ±0.14% FS. All models come with NIST certificates and are available in unidirectional and bidirectional ranges as low as 0 to 0.5 in. w.c. and 0 to 5 psid. These transmitters are ideal for a variety of applications such as HVAC control, leak detection, medical instrumentation, clean rooms, energy management, and environmental testing. With minimal thermal effects and the ability to withstand high overpressures, the Series HADP transmitters are extremely stable allowing for use in the most demanding applications.

**SPECIFICATIONS**

**Service:** Compatible non-conducting air gas.

**Wetted Parts:**
- Positive (high) Pressure Port: Gases compatible with SS, hard anodized 6061 aluminum (Buna-N O-ring);
- Reference (low) Pressure Port: Anodized aluminum, alumina ceramics, gold, fluorocarbon elastomer sealant & Buna-N O-ring.

**Accuracy:** ≤ ±0.14% FS; Optional: ±0.073% FS.

**Stability:** < ±0.1% FS over 6 months @ 70°F (21°C).

**Pressure Limits:** See Model Chart.

**Temperature Limits:**
- Operating: 0 to 175°F (-18 to 71°C), optional: -65 to 250°F (-53 to 121°C);
- Storage: -65 to 250°F (-53 to 121°C).

**Compensated Temperature Range:**
- 30 to 150°F (-1 to 65°C)

**Thermal Effect:** < ±1.0% FS/100°F.

**Response Time:** < 5 ms.

**Zero and Span Adjustments:** None.

**Output Signal:**
- 4 to 20 mA for current models, 0 to 5 VDC for voltage models.

**Zero and Span Output:**
- Zero output: Factory set to within ±0.07 mA
- Span (FS) output: Factory set to within ±0.07 mA.

**Loop Resistance:**
- Max. supply voltage (VDC) = 17 + 0.02 x Resistance of receiver plus line.
- Max. supply voltage (VDC) = 42 + 0.004 x Resistance of receiver plus line.

**Zero and Span Adjustments:** None.

**Response Time:** < 5 ms.

**Current Consumption:** < 30 mA.

**Electrical Connections:** 2 hi multi-conductor cable.

**Process Connections:** 1/8”-27 NPT internal (both positive and negative ports).

**Mounting Orientation:** Pressure port 90° parallel to ground.

**Thermal Effects:** Max. zero: ±1.0 (±1.8), %FS/100°F (100°C) max.

**Weight:** 8 oz (227 g).

**Agency Approval:** CE.

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### Model Chart

**Model** | **Range in w.c.** | **Max Pressure** | **Max Pressure** |
--- | --- | --- | --- |
**High Port** | **Low Port** | **High Port** | **Low Port** |
HADP-UV-00 | 0 to 0.5 | 5 psi | 2.5 in w.c. | 2.5 in w.c. |
HADP-UV-01 | 0 to 1 | 7 psi | 5 in w.c. | 5 in w.c. |
HADP-UV-02 | 0 to 2.5 | 10 psi | 12.5 in w.c. | 12.5 in w.c. |
HADP-UV-03 | 0 to 5 | 20 psi | 25 in w.c. | 25 in w.c. |
HADP-UV-04 | 0 to 15 | 50 psi | 75 in w.c. | 75 in w.c. |
HADP-UV-05 | 0 to 30 | 50 psi | 150 in w.c. | 150 in w.c. |
HADP-UC-00 | 0 to 0.5 | 5 psi | 2.5 in w.c. | 2.5 in w.c. |
HADP-UC-01 | 0 to 1 | 7 psi | 5 in w.c. | 5 in w.c. |
HADP-UC-02 | 0 to 2.5 | 10 psi | 12.5 in w.c. | 12.5 in w.c. |
HADP-UC-03 | 0 to 5 | 20 psi | 25 in w.c. | 25 in w.c. |
HADP-UC-04 | 0 to 15 | 50 psi | 75 in w.c. | 75 in w.c. |
HADP-UC-05 | 0 to 30 | 50 psi | 150 in w.c. | 150 in w.c. |
HADP-BV-08 | 0 to ±0.25 | 5 psi | 2.5 in w.c. | 2.5 in w.c. |
HADP-BV-09 | 0 to ±0.5 | 7 psi | 5 in w.c. | 5 in w.c. |
HADP-BV-10 | 0 to ±1 | 10 psi | 12.5 in w.c. | 12.5 in w.c. |
HADP-BV-11 | 0 to ±2.5 | 20 psi | 25 in w.c. | 25 in w.c. |
HADP-BV-12 | 0 to ±5 | 50 psi | 75 in w.c. | 75 in w.c. |
HADP-BV-13 | 0 to ±15 | 50 psi | 150 in w.c. | 150 in w.c. |
HADP-BC-08 | 0 to ±0.25 | 5 psi | 2.5 in w.c. | 2.5 in w.c. |
HADP-BC-09 | 0 to ±0.5 | 7 psi | 5 in w.c. | 5 in w.c. |
HADP-BC-10 | 0 to ±1 | 10 psi | 12.5 in w.c. | 12.5 in w.c. |
HADP-BC-11 | 0 to ±2.5 | 20 psi | 25 in w.c. | 25 in w.c. |
HADP-BC-12 | 0 to ±5 | 50 psi | 75 in w.c. | 75 in w.c. |
HADP-BC-13 | 0 to ±15 | 50 psi | 150 in w.c. | 150 in w.c. |

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**Model** | **Range in psid** | **Max Pressure** | **Max Pressure** |
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**High Port** | **Low Port** | **High Port** | **Low Port** |
HADP-UV-06 | 0 to 5 | 75 psid | 25 psid | 25 psid |
HADP-UV-07 | 0 to 10 | 100 psid | 50 psid | 50 psid |
HADP-UC-06 | 0 to 5 | 75 psid | 25 psid | 25 psid |
HADP-UC-07 | 0 to 10 | 100 psid | 50 psid | 50 psid |
HADP-BV-14 | 0 to ±2.5 | 75 psid | 25 psid | 25 psid |
HADP-BV-15 | 0 to ±5 | 100 psid | 50 psid | 50 psid |
HADP-BC-14 | 0 to ±2.5 | 75 psid | 25 psid | 25 psid |
HADP-BC-15 | 0 to ±5 | 100 psid | 50 psid | 50 psid |

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**Note:** HADP-XV-XX is for voltage, and HADP-XC-XX is for current.

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