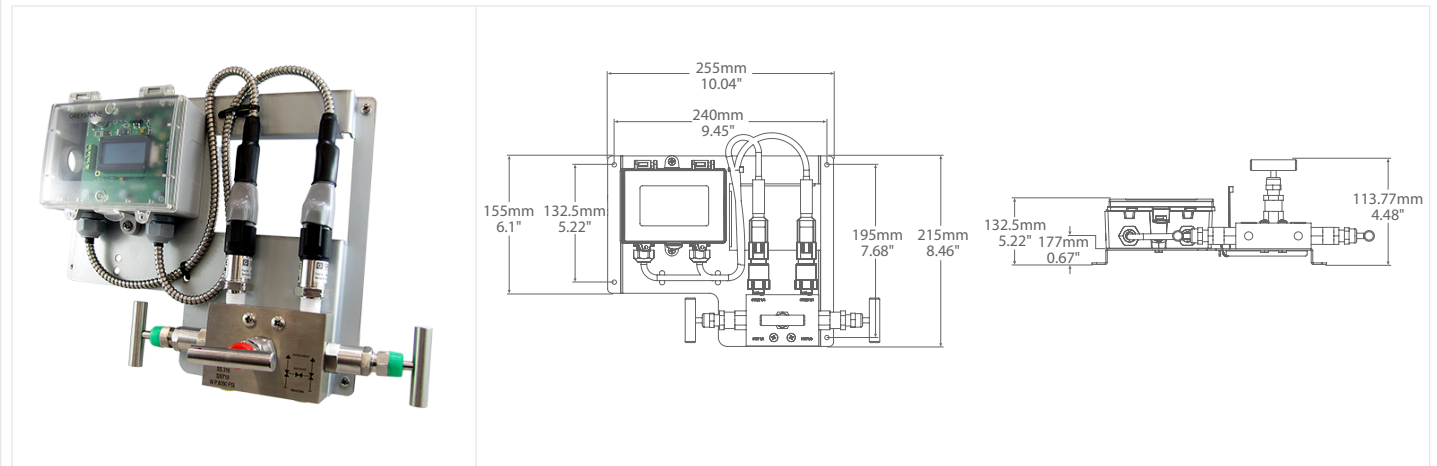


## HIGH ACCURACY DIFFERENTIAL PRESSURE TRANSMITTER WITH 3-WAY VALVE BRACKET



### HADPXXX3VB SERIES

#### PRODUCT DESCRIPTION

The high accuracy differential pressure transmitter includes a pipe-to-pipe 3-valve manifold option. The manifold consists of two isolation (block) valves and an equalizer valve. The 3-valve manifold assembly simplifies installation, allows easy service without disruption of the process and reduces costs when compared to using individual components.

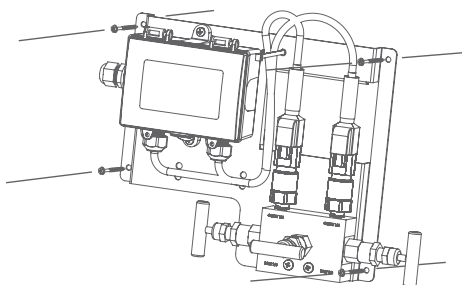
The HADPXXX3VB is designed with dual remote sensors that enable it to accept high pressure in several ranges up to 500 PSI, 30 Bar or 3000 kPa. All models can handle overload pressure 2X and burst pressure 20X the maximum full-scale range.

Features include field selectable pressure ranges and output signal types, output reversal and slow damping, port swapping and bidirectional measurements for the most flexible applications. The pressure transmitter is fully factory calibrated and temperature compensated for the highest start-up accuracy.

#### TYPICAL INSTALLATION

**For complete installation and wiring details, please refer to the product installation instructions.**

Mount the assembly bracket on a vertical surface using the either two of the four integrated mounting holes. Avoid locations with high vibrations or excessive moisture.



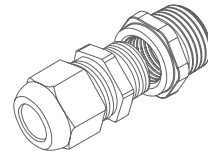
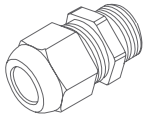
#### SPECIFICATIONS

|                        |  |
|------------------------|--|
| POWER SUPPLY           | 24 Vac/dc $\pm 10\%$ (non-isolated, half-wave rectified)   |
| CONSUMPTION            | 75 mA max @ 24 Vdc   |
| OUTPUT SIGNAL          | 4-20 mA sourcing, 0-5/0-10 Vdc (switch selectable)   |
| OUTPUT DRIVE           | <b>Current:</b> 550 $\Omega$ max<br><b>Voltage:</b> 10,000 $\Omega$ min  |
| PROTECTION CIRCUITRY   | Reverse voltage protected, transient protected   |
| LCD DISPLAY            | 35mm x 15mm (1.4" x 0.6"), 2 line x 8 character  |
| ACCURACY               | $\pm 0.5\%$ full scale of selected range (range 4 is $\pm 1\%$ )   |
| STABILITY              | $\pm 0.25\%$ FS typical (1 year)   |
| PRESSURE RANGES        | 4 per model (menu selectable)  |
| MEDIA COMPATIBILITY    | 17-4 PH stainless steel  |
| PROOF PRESSURE         | 2X highest range per model   |
| BURST PRESSURE         | 20X highest range per model  |
| MAXIMUM LINE PRESSURE  | = highest model range  |
| PRESSURE CYCLES        | >100 million   |
| SURGE DAMPING          | 1-60 seconds averaging (menu selectable)   |
| ZERO ADJUST            | Push-button and remote input   |
| SENSOR OPERATING RANGE | -40 to 105°C (-40 to 221°F)  |
| OPERATING ENVIRONMENT  | 0 to 50°C (32 to 122°F), 10 to 90 %RH non-condensing   |
| PRESSURE CONNECTION    | 1/8" NPT female  |
| REMOTE SENSOR RATING   | IP67   |
| REMOTE SENSOR CABLE    | Armored Flexible S/S   |
| WIRING CONNECTION      | 14-22 AWG screw terminal block   |
| ENCLOSURE              | <b>B:</b> Polycarbonate, UL94-V0, IP65 (NEMA 4X)<br><b>E:</b> Same as B, with thread adapter (1/2" NPT to M16) and cable gland fitting |
| DIMENSIONS             | 255W x 215H x 113.77D mm (10.04" x 8.46" x 4.48")  |
| WEIGHT                 | 2380g (83.95 oz) - Including remote cables and sensors   |
| APPROVALS              | CE, RoHS   |
| COUNTRY OF ORIGIN      | Canada   |





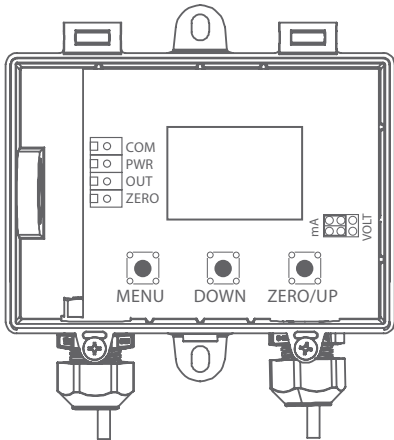
## ACCESSORIES - INCLUDED WITH F ENCLOSURE OPTION



CABLE GLAND FITTING

THREAD ADAPTER 1/2" NPT TO M16

## WIRING INFORMATION



### TERMINAL

COM  
PWR  
OUT  
ZERO

### FUNCTION

Common  
24 Vac/Vdc  
Analog Output  
Remote Zero Switch

NOTE: Do NOT apply voltage to ZERO terminal.

## ORDERING

|                       |  |   |
|-----------------------|--|---|
| PRODUCT               | HADP   | High Accuracy Differential Pressure Transmitter   |
| ENCLOSURE             | B<br>F   | Polycarbonate, with hinged and gasketed cover<br>Same as B, with thread adapter and cable gland fitting   |
| PRESSURE RANGES       | 01<br>02<br>03<br>04<br>05<br>06<br>07<br>08<br>09<br>10<br>11<br>12 | 5, 10, 25, and 50 PSI ranges<br>10, 20, 50, and 100 PSI ranges<br>20, 50, 125, and 250 PSI ranges<br>50, 100, 250, and 500 PSI ranges<br>0.5, 1.0, 2.5, and 5.0 PSI Bar<br>0.7, 1.0, 2.5, and 5.0 Bar<br>1, 2, 5, and 10 Bar<br>3.5, 7, 17.5, and 35 Bar<br>50, 100, 250, and 500 kPa<br>70, 140, 350, and 700 kPa<br>100, 200, 500, and 1000 kPa<br>350, 700, 1750, and 3500 kPa |
| VALVE/BACKET ASSEMBLY | 3VB  | 3 way valve manifold and bracket assembly   |

## PART NUMBER

|      |
|------|
| HADP |
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NOTE: Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.