

HIGH ACCURACY DIFFERENTIAL PRESSURE TRANSMITTER **HADP Series**

The high accuracy differential pressure transmitter is designed with dual remote sensors that enable it to accept high pressure in ranges up to 500 PSI. All models are rated for overload pressure 2X the maximum fully scale range and burst pressure is 5X the maximum full scaled 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 output signal is factory calibrated and temperature compensated for the highest start-up accuracy.

SPECIFICATIONS

Power Supply	24 Vac/dc \pm 10% (non-isolated half-wave rectified)				
Consumption	75 mA max @ 24 Vdc				
Output Signal	3-wire transmitter; 4-20 mA (sourcing), 0-5/0-10 Vdc				
Output Drive	Current: 500 ohms max				
	Voltage: 10K ohms min				
Protection Circuitry	Reverse voltage protected, transient protected				
LCD	35 x 15 mm (1.4 x 0.6"), 2-line x 8-character				
Accuracy	± 0.5% F.S. of selected range (Range 4 = 1%)				
Stability	± 0.25% F.S. typical (1 year)				
Pressure Ranges	4 per model (menu selectable)				
Line Pressure	Maximum line pressure is the highest of the				
	selectable ranges on each model				
Media Compatibility	17-4 PH stainless steel				
	2X highest range per model				
Burst Pressure	5X highest range per model				
Pressure Cycles	> 100 million				
Surge Damping	Normal: 4 second averaging				
	Slow: 8 second averaging (switch selectable)				
Zero Adjust	Push-button auto-zero and digital input				
Sensor Operating Range40 to 85°C (-40 to 185°F)					
Operating Environmen	at0 to 50°C (32 to 122°F), 10-90 %RH non-condensing				
Pressure Connection	1/4" NPT male				
	IP 66 (Housing Only)				
Remote Sensor Cable	S = FT-6 plenum rated				
	A = Armored Flexible S/S				
Wiring Connection	14-22 AWG screw terminal block				
Enclosure	Polycarbonate, UL94-V0, IP65 (NEMA 4X)				
	F style includes thread adapter (1/2" NPT to M16)				
	and cable gland fitting				
Dimensions	112.5 W x 116.5 H x 53.7 D mm				
	(4.43" x 4.59" x 2.11")				
•	750g (26.5 oz) - Including remote cables and sensors				
Country of Origin	Canada				



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

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МО	DEL	Product Description							
НА	DP	High Accuracy Differential Pressure Transmitter							
		CODE	Enclosure						
		B F	Polycarbonate with hinged and gasketed cover Same as B, with thread adapter and cable gland fitting						
CODE					Preassure Ranges				
				01 02 03 04 05 06 07 08 09 10	5, 10, 25, and 50 PSI ranges 10, 20, 50, and 100 PSI ranges 20, 40, 100, and 200 PSI ranges 50, 100, 250, and 500 PSI ranges 0.5, 1.0, 2.5, and 5.0 Bar 0.75, 1.50, 3.75, and 7.50 Bar 1, 2, 5, and 10 Bar 3, 6, 15, and 30 Bar 50, 100, 250, and 500 kPa 75, 150, 375, and 750 kPa 100, 200, 500, and 1000 kPa 300, 600, 1500, and 3000 kPa				
					CODE	Cable Typ	oe e		
					S FT-6 Plenum Rated A Armoured Cable				
						CODE	Cable Type		
						15 30	1.5 m (5') 3.0 m (10')		
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Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.







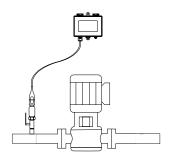




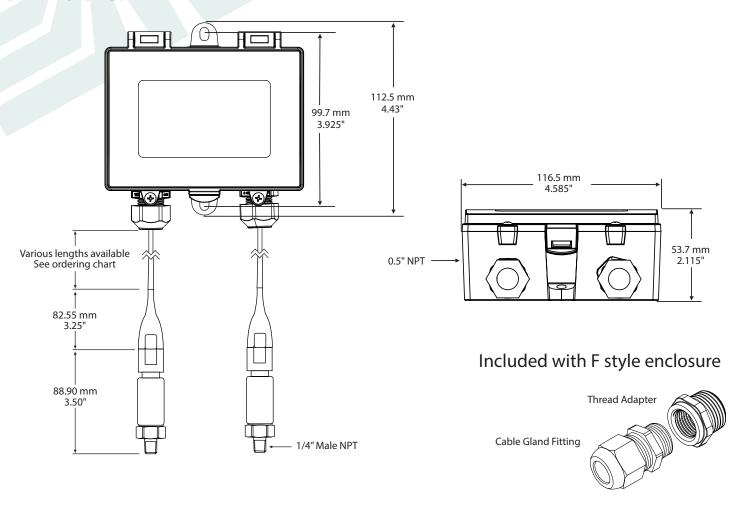
TYPICAL INSTALLATION:

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

The transmitter mounts on a vertical surface using the two integrated mounting holes. The remote sensor cable connection should be located on the bottom of the enclosure. The two mounting holes will facilitate a #10 size screw (not supplied). See Figure 1. Ensure there is enough space around the unit to make the electrical connections and that it is within an acceptable distance for the length of remote sensor cable. Avoid locations with severe vibrations or excessive moisture.



DIMENSIONS:





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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems.

We have conscientiously established a worldwide reputation as an industry leader by maintaining leadingedge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.