## HIGH ACCURACY LIQUID PRESSURE TRANSMITTERS HAWP Series

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# Precision pressure control/sensing

G GREYSTONE

### FEATURES:

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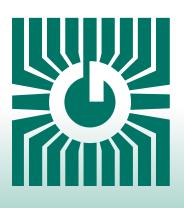
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- Differential and gauge pressure models
- Four, switch selectable, ranges per model
- Jumper selectable outputs: 4-20mA, 0-5 Vdc or 0-10 Vdc
- Optional backlit (jumper-selectable) LCD
- All stainless steel sensor construction
- Port swap switch to correct incorrect plumbing
- Switch selectable uni or bi-directional
- IP65 (Nema 4X) hinged enclosure



## Peace of mind through reliable pressure monitoring

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM

#### **APPLICATIONS:**

- Pump Monitoring
- Filter Monitoring
- Chiller Monitoring
- HVAC Systems

#### **SPECIFICATIONS:**

Media Compatibility		a a la atala la	
Pressure Ranges	4 ranges per model - Switch 0-5/10/25/50 psig/d	05/1/2.5/5 Bar	0-50/100/250/500 kPa
	0-10/20/50/100 psig/d		
	0-20/40/100/200 psig/d		0-100/200/500/1000 kPa
	0-50/100/250/500 psig/d		0-300/600/1500/3000 kPa
Line Pressure			
	i.e.: HAWP-D-101 has a maxi	mum line pressure of 50	psi
Proof Pressure			
Burst Pressure			
Accuracy		e (Range 4 = 1%)	
Pressure Cycles			
Surge Damping	Normal: 4 second averaging		
Sensor Operating Range	Slow: 8 second averaging, sv	witch selectable	
Sensor Operating Range	40° to 85°C (-40° to 185°F)		
Compensated Range	0° to 55°C (32° to 130°F)		
Operating Environment	0° to 50°C (32° to 122°F), 10-	90% RH condensing	
Stability	±0.25% typical (1 year)		
Zero Adjust	Push-button auto-zero and	digital input	
Operating Humidity			
Power Supply			
Consumption			
Output Signal	3-wire transmitter; user select	table 4-20mA active(sour	cing), 0-5V and 0-10V
Pressure Connections			
Enclosure			
	145 X 100 X 64 mm (5.7" X 3	.95″ X 2.5″)	
Shock			
Vibration			
	10K ohms min for voltage of		
Wiring Connections			
Optional LCD Display		o" n) alpha-numeric 2 line	e x & character
	Resolution - 1 psi	via iumpor	
	Backlight - Enable or disable	e via jumper	



HAWP-G



HAWP-D



#### **DESCRIPTION:**

The Wet-Wet pressure transmitter is designed with dual sensors that enable it to accept high differential pressure ranges. The gauge pressure transmitter is designed with a single sensor that enables it to accept high pressures ranges.

Both transmitters can accept ranges from 5 PSI to 500 PSI. All models can handle overload pressure 2X the maximum full scale range and burst pressure is 5X the maximum full scale range. Features include field selectable pressure ranges and output signal types for the most flexible applications. Typical HVAC applications include monitoring of liquid differential and gauge pressure. The output signal is factory calibrated and temperature compensated for the highest start-up accuracy.

NOTE: When choosing pressure range ensure that the maximum individual port pressure does not exceed the maximum pressure range of the unit. For example, the maximum individual port pressure of the HAWP-D-102 is 100 PSI. Exceeding this may cause damage to the sensors and will give erroneus readings.

#### **PRODUCT ORDERING INFORMATION:**

MODEL	Description				
HAWP-D HAWP-G	<ul> <li>Wet/Wet differential pressure transmitter, jumper selectable outputs</li> <li>Gauge pressure transmitter, jumper selectable outputs</li> </ul>				
	CODE         Pressure ranges           101         5, 10, 25 and 50 PSI ranges           102         10, 20, 50 and 100 PSI ranges           103         20, 40, 100 and 200 PSI ranges           104         50, 100, 250 and 500 PSI ranges           105         0.5, 1.0, 2.5 and 5.0 Bar           106         0.75, 1.50, 3.75 and 7.50 Bar           107         1, 2, 5 and 10 Bar           108         3, 6, 15 and 30 Bar           109         50, 100, 250 and 500 kPa           110         75, 150, 375 and 750 kPa           111         100, 200, 500 and 1000 kPa           112         300, 600, 1500 and 3000 kPa				
		CODE	Option		
		LCD VB	Backlit LCD option Valve and bracket Assembly (Not available in the USA)		
HAWP-D	- 101	- LCD	✓ Typical Model Number		

Example: Wet to Wet differential, 5 thru 50 PSI ranges c/w LCD (HAWP-D-101-LCD)

#### **ACCESSORIES:**

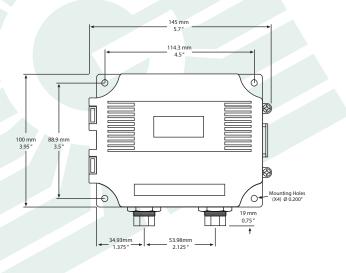
VB Option 3 Way Valve for HAWP-D Not Available in the USA

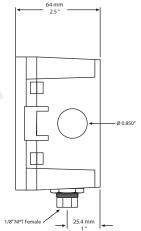


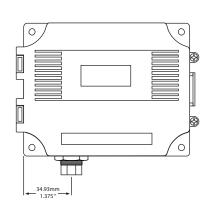


GREYSTONE ENERGY SYSTEMS, INC.

#### **DIMENSIONS:**





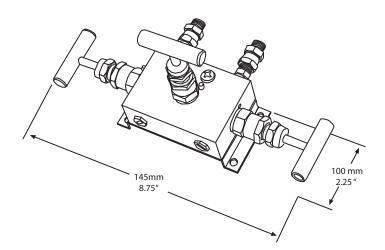


HAWP-G-XXX-LCD

-VB Option

HAWP-D-XXX-LCD

3 Way Valve for HAWP-D Not Available in the USA





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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.

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