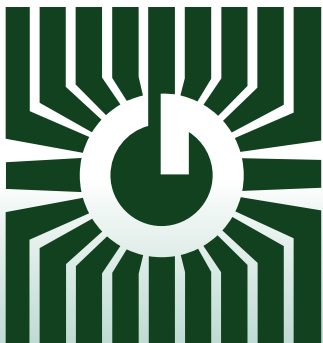


GREYSTONE

ACCURACY BY DESIGN



LIQUID PRESSURE TRANSDUCERS WP Series



Precision pressure control/sensing

FEATURES:

- 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
- Nema 4 (IP54) 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	17-4 PH stainless steel		
Input power	18 to 28 Vac/dc (non-isolated half-wave rectified)		
Supply Current @ 24 Vdc (max)	100 mA max @ 24 Vdc with LCD backlight, 35 mA with backlight disabled 300 mA max @ 24 Vdc with LCD backlight, 120 mA with backlight disabled		
Output	3-wire transmitter; user selectable 4-20mA active(sourcing), 0-5V and 0-10V		
Pressure Ranges:	0-5/10/25/50 psig/d 0-10/20/50/100 psig/d 0-20/40/100/200 psig/d 0-50/100/250/500 psig/d	0-.5/1/2.5/5 Bar 0-.75/1.5/3.75/7.5 Bar 0-1/2/5/10 Bar 0-3/6/15/30 Bar	0-50/100/250/500 kPa 0-75/150/375/750 kPa 0-100/200/500/1000 kPa 0-300/600/1500/3000 kPa
Line Pressure	Max. Line Pressure is the highest of the selectable ranges on each models. i.e.: WP-D-101 has a maximum line pressure of 50 psi		
Proof Pressure	Max. 2X F.S. range		
Burst Pressure	Max. 5X F.S. range		
Accuracy	± 1% F.S. combined linearity, hysteresis, and repeatability. Range 4 accuracy ± 2% F.S.		
Pressure cycles	> 100 million		
Surge Damping	normal 4-second averaging slow 8-second averaging, switch selectable		
Temperature compensated range	0 to 55°C (32 to 130°F)		
Sensor operating range	-40 to 85°C (-40 to 185°F)		
Long term stability	± 0.25% typical (1 year)		
Zero adjust	push-button auto-zero and digital input		
Operating environment	0 to 50°C 10-90% RH condensing		
Fittings	1/8" NPT female		
Enclosure	ABS with hinged lid and gasket, 145 x 100 x 64mm (5.7" w x 3.95" h x 2.5" d)		
Shock	100G, 11 mSec, 1/2 sine		
Vibration	10G peak 20 to 2000 Hz		
Rating	IP54 (NEMA 4)		

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 exceed the maximum pressure range of the unit. For example, the maximum individual port pressure of the WP-D-102 is 100 PSI. Exceeding this may cause damage to the sensors and will give erroneous readings.

PRODUCT ORDERING INFORMATION:

MODEL	Description
WP-D	Wet/Wet differential pressure transmitter, jumper selectable outputs
WP-G	Gauge pressure transmitter, jumper selectable outputs

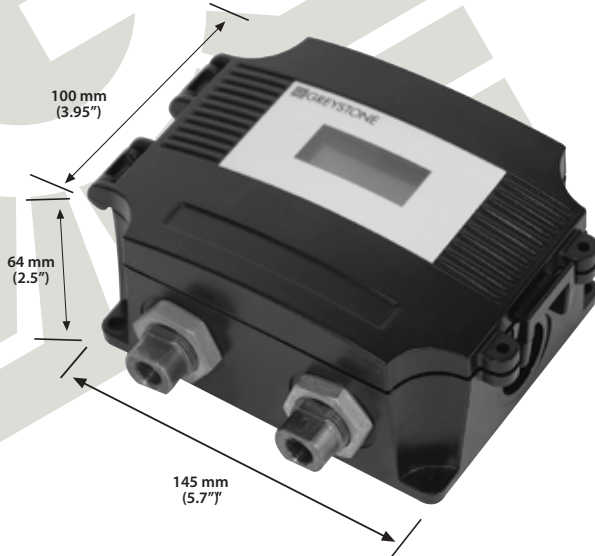
CODE	Pressure ranges
101	5, 10, 25 and 50 PSI ranges
102	10, 20, 50 and 100 PSI ranges
103	20, 40, 100 and 200 PSI ranges
104	50, 100, 250 and 500 PSI ranges
105	0.5, 1.0, 2.5 and 5.0 Bar
106	0.75, 1.50, 3.75 and 7.50 Bar
107	1, 2, 5 and 10 Bar
108	3, 6, 15 and 30 Bar
109	50, 100, 250 and 500 kPa
110	75, 150, 375 and 750 kPa
111	100, 200, 500 and 1000 kPa
112	300, 600, 1500 and 3000 kPa

CODE	Option
LCD	Backlit LCD option

WP-D	101	LCD	← Typical Model Number
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Example: Wet to Wet differential, 5 thru 50 PSI ranges c/w LCD (WP-D-101-LCD)

ENCLOSURE DIMENSIONS:



WP-D-XXX-LCD



WP-G-XXX-LCD



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Greystone Energy Systems, Inc.
150 English Drive, Moncton, NB
Canada E1E 4G7

(506) 853-3057 Fax: (506) 853-6014
North America: 1-800-561-5611
e-mail: mail@greystoneenergy.com
www.greystoneenergy.com

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

We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge 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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