LIQUID PRESSURE TRANSMITTERS WP Series

Precision pressure control/sensing

FEATURES.

Σ

Ш

N

>

S

≻

U

Ľ

ш

Ζ

Differential and gauge pressure models

G GREYSTONE

- 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	17-4 PH stainless steel		
Pressure Ranges	.4 ranges per model - Switc	h selectable	
	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	075/1.5/3.75/7.5 Ba	r 0-75/150/ <mark>37</mark> 5/750 kPa
	0-20/40/100/200 psig/d	0-1/2/5/10 Bar	0-100/200/500/1000 kPa
	0-50/100/250/500 psig/d	0-3/6/15/30 Bar	0-300/600/1500/3000 kPa
Line Pressure	Max. line pressure is the hi	ghest of the selectable	ranges on each model
	i.e.: WP-D-101 has a maxim	ium line pressure of 50	psi
Proof Pressure	Max. 2X highest range per	model	
Burst Pressure	Max. 5X highest range per	model	
Accuracy	\pm 1% F.S. of range selected	with combined linear	ty, hysteresis, and repeatability
Pressure Cycles	>100 million		
Surge Damping	Normal: 4 second averagin	ig	
	Slow: 8 second averaging,	switch 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	d digital input	
Operating Humidity	0 to 95% RH non-condensi	ng 🔻	
Power Supply	18 to 28 Vac/Vdc (non-isolat	ted half-wave rectified)	
Consumption	100 mA max @ 24 Vdc with	CD backlight, 35 mA wi	ith backlight disabled
Output Signal	3-wire transmitter; user sele	ctable 4-20mA active(so	ourcing), 0-5V and 0-10V
Pressure Connections	.1/8" NPT female		
Enclosure	ABS, hinged lid with gaske	t, IP65 (Nema 4X)	
	145 X 100 X 64 mm (5.7" X	3.95″ X 2.5″)	
Shock	100G, 11 mSec, 1/2 sine		
Vibration	.10G peak 20 to 2000 Hz		
	10K ohms min for voltage	output	
Wiring Connections	Screw terminal block (14 to	o 22 AWG)	
Optional LCD Display	.35 mm x 15 mm (1.4" w x 0	0.6" h) alpha-numeric 2	line x 8 character
	Resolution - 1 psi		
	Backlight - Enable or disab	le via jumper	
	E.	GREYSTONE	
		-	
WP-G		WP-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 WP-D-102 is 100 PSI. Exceeding this may cause damage to the sensors and will give erroneus readings.

PRODUCT ORDERING INFORMATION:

MODEL	Descrip	escription				
WP-D WP-G	Wet/We Gauge p	et/Wet differential pressure transmitter, jumper selectable outputs auge pressure transmitter, jumper selectable outputs				
	CODE	DDE Pressure ranges				
	101 102 103 104 105 106 107 108 109 110 111 111 112	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	Option			
		LCD VB	Backlit LCD option Valve and bracket Assembly (Not available in the USA)			
WP-D	- 101	- LCD				

Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

ACCESSORIES:

B Option 3 Way Value for WP-D Not Available in the USA



GREYSTONE ENERGY SYSTEMS, INC.



10/13

GREYSTONE HAS AN ISO 9001 REGISTERED QUALITY SYSTEM