

GAGE PRESSURE TRANSMITTER **WP-G Series**

The WP-G gage pressure transmitter is designed with a single sensor that enables it to accept high pressures ranges in 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, output signal types, out reversal and damping for the most flexible applications. The output signal is factory calibrated and temperature compensated for the highest start-up accuracy.

SPECIFICATIONS:

Media Compatibility **Pressure Ranges**

Line Pressure

Proof Pressure Burst Pressure Accuracy

Pressure Cycles Surge Damping

Sensor Operating Range Compensated Range **Operating Environment**

Stability Zero Adjust

Operating Humidity Power Supply

Consumption

Output Signal

Pressure Connections

Enclosure

Dimensions

Shock Vibration

Wiring Connections

Optional LCD Display

17-4 PH stainless steel

4 switch selectable ranges per model - See ordering

Max. line pressure is the highest of the selectable ranges on each

model

Max. 2X highest range per model Max. 5X highest range per model ± 1% F.S. of range selected with combined linearity, hysteresis,

and repeatability

>100 million

Normal: 4 second averaging Slow: 8 second averaging,

switch selectable -40° to 85°C (-40° to 185°F)

0° to 55°C (32° to 130°F) 0° to 50°C (32° to 122°F), 10-90% RH condensing $\pm 0.25\%$ typical (1 year) Push-button auto-zero and

digital input

0 to 95% RH non-condensing 18 to 28 Vac/Vdc (non-isolated

half-wave rectified)

100 mA max @ 24 Vdc with LCD

backlight, 35 mA with backlight disabled

3-wire transmitter; selectable 4-20mA active (sourcing), 0-5 or

0-10 Vdc

1/8" NPT female

ABS, hinged lid with gasket,

IP65 (Nema 4) 145 X 100 X 64 mm

(5.7" X 3.95" X 2.5") 100G, 11 mSec, 1/2 sine 10G peak 20 to 2000 Hz Screw terminal block

(14 to 22 AWG)

35 mm x 15 mm (1.4" w x 0.6" h)

alpha-numeric 2 line x 8 character

Resolution - 1 psi

Backlight - Enable or disable via

jumper



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

RODUCT SELECTION IN ORMATION.		
MODEL	Product Description	
WP-G	Gage Pressure Transducer	
	CODE	Pressure Ranges
	101 102 103 104 105 106 107 108 109 110 111	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 Backlit LCD

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

EXAMPLE: Gage pressure, 10, 20, 50,100 psi, w/ LCD



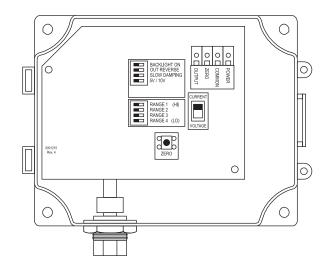




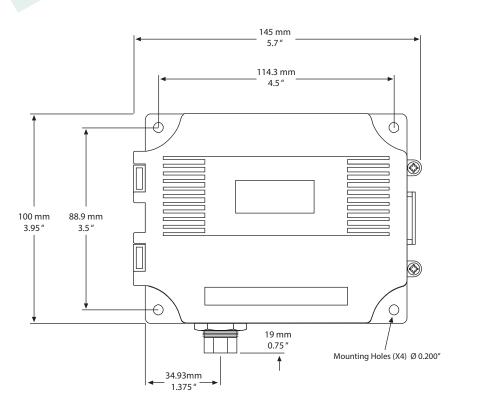
For complete installation and wiring details, please refer to the product installation instructions.

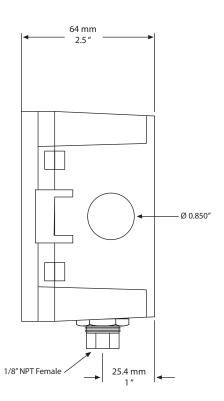
The WP mounts on any surface using the four holes provided on the base of the unit. Make sure there is enough space around the unit to connect the pressure tubing without kinking and avoid locations where severe vibrations or excessive moisture are present.

The unit may be mounted in any position but typically is installed on a vertical surface with pressure ports on the right and the cable entrance on the left. The enclosure has a standard opening for a 1/2" conduit and may be installed with either conduit and a conduit coupler or a cable gland type fitting.



DIMENSIONS:





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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 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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