



GREYSTONE

ENERGY SYSTEMS INC

The WPRG Series guage pressure transmitter with remote pressure sensor allow for remote pressure sensing using existing plumbing runs. With no need to run plumbing lines all the way to the transmitter, the installation time and cost is greatly reduced. The WPRG is available with either standard FT6 or armored cable in 5 or 10' (1.5 m or 3 m) cable lengths.

The WPRG can accept ranges from 5 PSI to 500 PSI. All models can handle overload pressure 2X 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.

SPECIFICATIONS:

Media Compatibility	17-4 PH stainless steel
Pressure Ranges.....	4 switch selectable ranges per model - See ordering
Line Pressure	Max. line pressure is the highest of the selectable ranges on each model
Proof Pressure	Max. 2X highest range per model
Burst Pressure.....	Max. 5X highest range per model
Accuracy	± 1% F.S. of range selected with combined linearity, hysteresis, and repeatability
Pressure Cycles	>100 million
Surge Damping	Normal: 4 second averaging 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 digital input
Operating Humidity.....	0 to 95% RH non-condensing
Power Supply.....	18 to 28 Vac/Vdc (non-isolated half-wave rectified)
Consumption	100 mA max @ 24 Vdc with LCD backlight, 35 mA with backlight disabled
Output Signal.....	3-wire transmitter; selectable 4-20mA active (sourcing), 0-5 or 0-10 Vdc
Pressure Connection.....	1/4" NPT male
Remote Cable.....	S = FT6 Plenum Rated A = Armoured Flexible S/S
Enclosure	ABS, UL94-5VB hinged lid with gasket, IP65 (Nema 4)
Dimensions.....	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
Wiring Connections	Screw terminal block (14 to 22 AWG)
Optional LCD Display	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

GUAGE PRESSURE TRANSMITTER WITH REMOTE SENSORS WPRG Series



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MODEL	Product Description
WPRG	Guage Pressure Transmitter with Remote Sensors

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	Cable
S05	5' (1.5 m) FT6 Cable
S10	10' (3 m) FT6 Cable
A05	5' (1.5 m) Armoured Cable
A10	10' (3 m) Armoured Cable

CODE	Pressure Ranges
-	None
LCD	Backlite LCD

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

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 WPRG102S05 is 100 PSI. Exceeding this may cause damage to the sensors and will give erroneus readings.

