GREYSTONE
ENERGY SYSTEMS INC

# HIGH ACCURACY GAGE PRESSURE TRANSMITTER HAWP-G Series

The HAWP-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 | 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 | ± 0.5% F.S. of selected range (Range 4 = 1%) |
| Pressure Cycles | >100 million |
| Surge Damping | Normal: 4 second averaging<br>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 Connections | 1/8" NPT female |
| Enclosure | ABS, 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<br>Resolution - 1 psi<br>Backlight - Enable or disable via jumper |

**PART NUMBER SELECTED**

## PRODUCT SELECTION INFORMATION:

| MODEL | Product Description |
|---|---|
| HAWP-G | High Accuracy Gage Pressure Transducer |

| 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 |

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

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



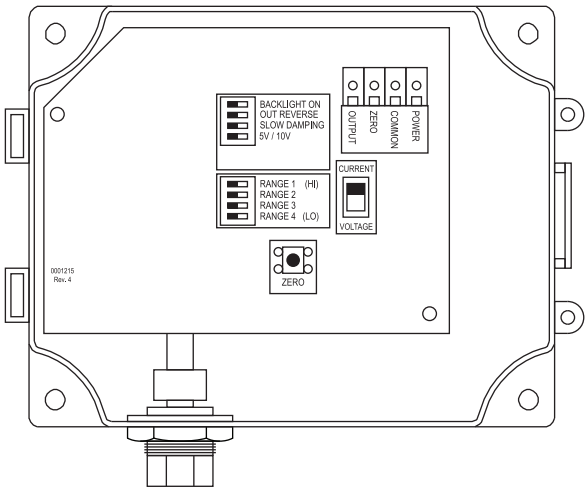
RoHS COMPLIANT

## TYPICAL INSTALLATION:

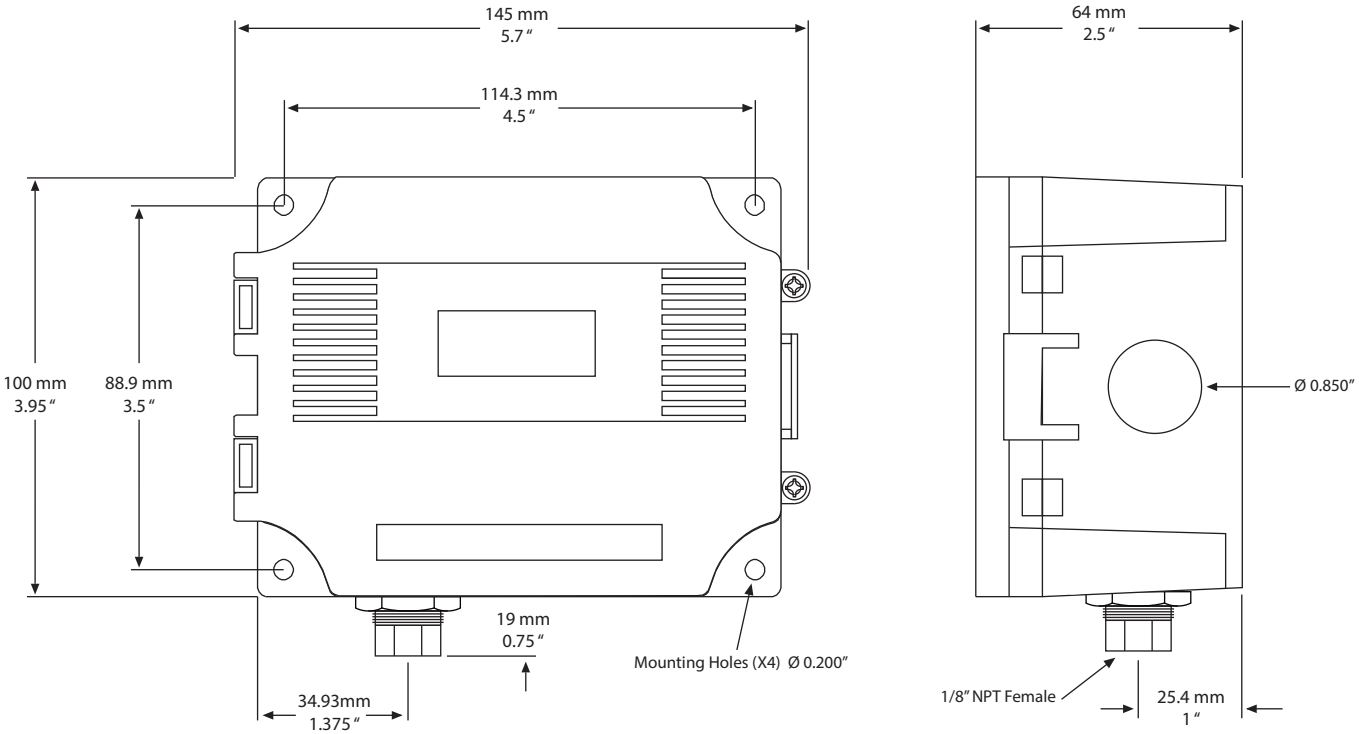
**For complete installation and wiring details, please refer to the product installation instructions.**

The HAWP 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 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.*

GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM




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