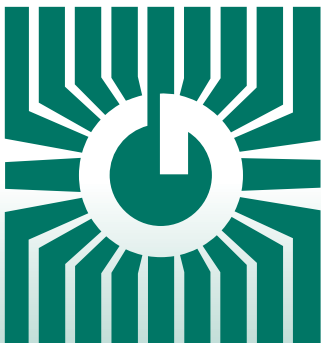


# GREYSTONE ENERGY SYSTEMS INC



## HIGH ACCURACY GAGE PRESSURE TRANSMITTER HAGP Series



### Precision Gage Pressure Transmitter

#### FEATURES:

- FT-6 or Armoured cable available in different lengths
- Four, switch selectable ranges per model
- LCD display
- Jumper selectable outputs: 4-20 mA, 0-5 Vdc or 0-10 Vdc
- Hinged Polycarbonate weatherproof enclosure

*Peace of mind  
through reliable  
temperature monitoring*

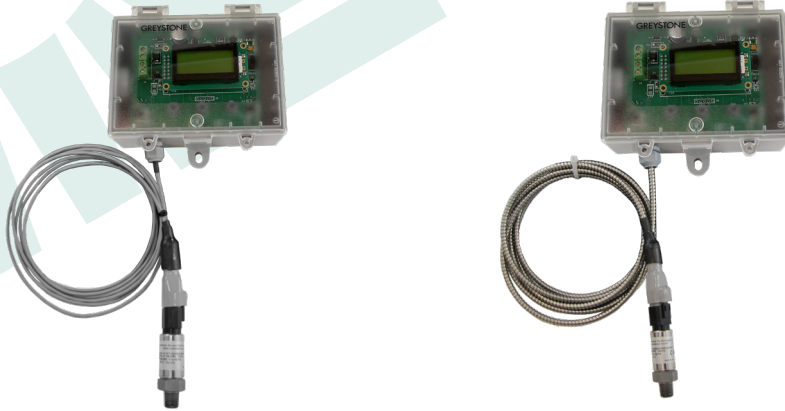
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# HAGP - HIGH ACCURACY GAGE PRESSURE TRANSMITTER

## FEATURES:

The High Accuracy Gage Pressure Transmitter is designed with a single remote sensor that enables it to accept high pressure in several ranges up to 500 PSI, 30 Bar or 3000 kPa. All models can handle overload pressure 2X the maximum fully scaled range and burst pressure is 5X the maximum full scaled range.

Features include field selectable pressure ranges and output signal types, output reversal and slow-dampening for the most flexible applications. The output signal is factory calibrated and temperature compensated for the highest start-up accuracy.



## SPECIFICATIONS:

|                              |  |
|------------------------------|--|
| Power Supply .....           | 24 Vac/dc $\pm$ 10% (non-isolated half-wave rectified)   |
| Consumption .....            | 75 mA max @ 24 Vdc   |
| Output Signal .....          | 30wire transmitter, 4-20 mA (sourcing), 0-5/0-10 Vdc   |
| Output Drive .....           | <b>Current:</b> 500 ohms max<br><b>Voltage:</b> 10K ohms min   |
| Protection Circuitry .....   | Reverse voltage protected, transient protected   |
| LCD .....                    | 35 x 15 mm (1.4 x 0.6"), 2-line x 8-character  |
| Accuracy .....               | $\pm$ 0.5% full scale of selected range (Range 4 = 1%)   |
| Stability .....              | $\pm$ 0.25% F.S. typical (1 year)  |
| Pressure Ranges .....        | 4 per model (menu selectable)  |
| Media Compatibility .....    | 17-4 PH stainless steel  |
| Proof Pressure .....         | 2X highest range per model   |
| Burst Pressure .....         | 5X highest range per model   |
| Maximum Line Pressure .....  | Maximum line pressure is the highest of the selectable ranges on each model  |
| Pressure Cycles .....        | > 100 million  |
| Surge Damping .....          | <b>Normal:</b> 4 second averaging<br><b>Slow:</b> 8 second averaging (switch selectable)   |
| Operating Environment .....  | 0 to 50°C (32 to 122°F), 10-90 %RH non-condensing  |
| Zero Adjust .....            | Push-button auto-zero and digital input  |
| Sensor Operating Range ..... | -40 to 85°C (-40 to 185°F)   |
| Pressure Connection .....    | 1/4" NPT male  |
| Remote Sensor Rating .....   | IP 66 (Housing Only)   |
| Remote Sensor Cable .....    | S = FT-6 plenum rated<br>A = Armored Flexible S/S  |
| Wiring Connection .....      | 14-22 AWG screw terminal block   |
| Enclosure .....              | Polycarbonate, UL94-V0 hinged cover with gasket, IP65 (NEMA 4X)<br>F style includes thread adapter (1/2" NPT to M16) and cable gland fitting |
| Dimensions .....             | 112.5 W x 116.5 H x 53.7 D mm (4.43" x 4.59" x 2.11")  |
| Weight .....                 | 750g (26.5 oz) - Including remote cables and sensors   |
| Country of Origin .....      | Canada   |

## APPLICATIONS:

- Pump Monitoring
- Filter Monitoring
- Chiller Monitoring
- HVAC Systems

## PRODUCT SELECTION INFORMATION:

| MODEL | Product Description                     |
|-------|---|
| HAGP  | High Accuracy Gage Pressure Transmitter |

| CODE     | Enclosure  |
|----------|--|
| <b>B</b> | Polycarbonate with hinged and gasketed cover           |
| <b>F</b> | Same as B, with thread adapter and cable gland fitting |

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

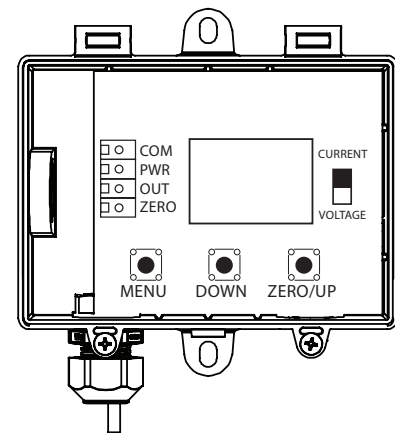
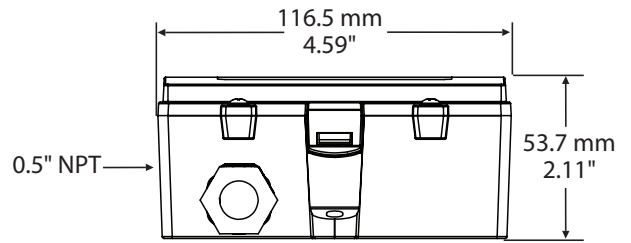
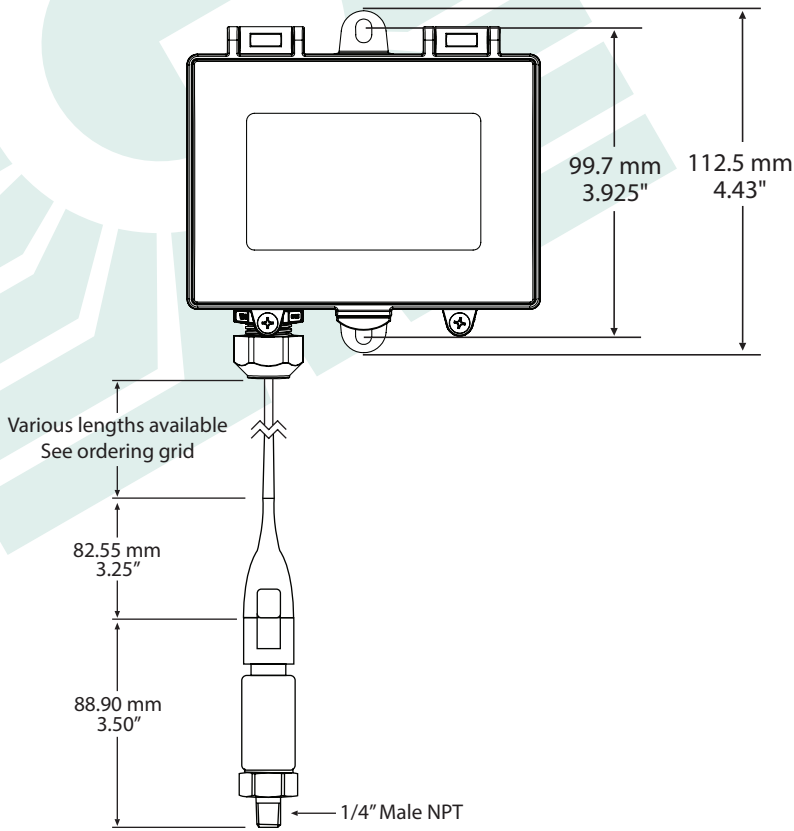
| CODE     | Cable Type        |
|----------|-------------------|
| <b>S</b> | FT-6 Plenum Rated |
| <b>A</b> | Armoured Cable    |

| CODE      | Cable Type  |
|-----------|-------------|
| <b>15</b> | 1.5 m (5')  |
| <b>30</b> | 3.0 m (10') |

|      |   |     |   |    |
|------|---|-----|---|----|
| HAGP | B | 101 | S | 15 |
|------|---|-----|---|----|

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

# DIMENSIONS:



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RoHS  
 COMPLIANT



*Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters 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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