GREYSTONE ENERGY SYSTEMS INC

LOW PRESSURE TRANSMITTER
LP Series

Precision pressure control/sensing

FEATURES:

- Jumper selectable 2 wire current and 3 wire voltage outputs
- 24 Vac/dc power supply
- Six variable jumper selectable pressure ranges, W.C.
- Polycarbonate enclosure with hinged and gasketed cover

Peace of mind through reliable pressure monitoring

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

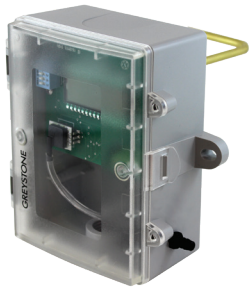
SPECIFICATIONS:

Accuracy	±1% F.S.O.
Measurement Type	Differential (two port), Static, Velocity, & Total Pressure
Response Time	250 ms
Stability	< ±1% F.S.O. per year
Thermal Effects	< ±3% over compensated range
Compensated Range	0 - 50˚ C (32 - 122˚F)
Proof Pressure	40" W.C. (100" for 10" & 20" Models)
Burst Pressure	60" W.C. (200" for 10" & 20" Models)
Operating Conditions	0 - 70˚C (32 - 158˚F), 10 - 90 %RH, non-condensing
Power Supply	20 - 28 Vac/dc (non-isolated half-wave rectified)
Supply Current	< 4 mA for voltage output, 20 mA max for current output
Input Voltage Effect	Negligible over operating range
Protection Circuitry	Reverse voltage protected and output limited
Output Signal	4-20 mA (2-wire), 0-5 or 0-10 Vdc (3-wire), switch selectable
Output Drive Capabilities	**Current:** 400 ohms max @ 24 vdc **Voltage:** 10K ohms min
Zero Adjustments	Pushbutton auto-zero
Wiring Connections	Screw terminal block (14 to 22 AWG)
Pressure Connection	Barbed ports for 5 mm (0.170" ID) flexible tubing
Conduit Connection	½" NPT conduit or cable gland
Display	3½ digit LCD, 0.4" digit height
Enclosures	Polycarbonate UL94-V0, IP65 (NEMA 4X)
Approvals	CE, RoHS
Country of Origin:	Canada

LP - LOW PRESSURE TRANSMITTER CONFIGURATIONS

FEATURES:

The Low Pressure Transmitter can be used to measure positive, negative or differential pressure in the ranges of 1"wc to 20"wc. The highly accurate piezoresistive sensor is ideal for monitoring pressure of non-corrosive, non-ionic working fluids such as clean dry air or other inert gases. It features field selectable pressure ranges and output signal types for the most flexible application. Typical HVAC applications include monitoring of filter differential pressure or clean room pressure. The output signal is factory calibrated and temperature compensated for highest startup accuracy and trouble-free operation.



PRODUCT SELECTION INFORMATION:

MODEL	Product Description
LP	Low Pressure Transmitter

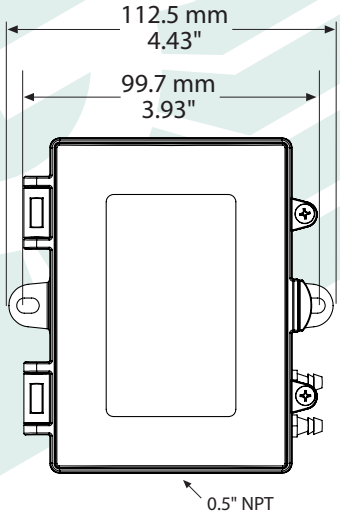
CODE	Enclosure
B	Polycarbonate with hinged and gasketed cover
F	Same as B, with thread adapter and cable gland fitting

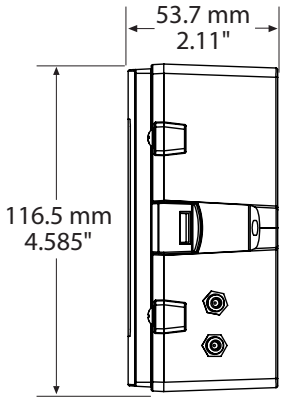
CODE	Output
00	±4", ±2", ±1", 0-4", 0-2", 0-1" wc
01	±8", ±5", ±3", 0-8", 0-5", 0-3" wc
02	±12", ±10", ±6", 0-12", 0-10", 0-6" wc
03	±20", ±15", ±10", 0-20", 0-15", 0-10" wc
04	±1000 Pa, ±500 Pa, ±250 Pa, 0-1000 Pa, 0-5000 Pa, 0-250 Pa
05	±2000 Pa, ±1000 Pa, ±500 Pa, 0-2000 Pa, 0-1000 Pa, 0-500 Pa

CODE	Probe
X	No Probe
S	Static Probe

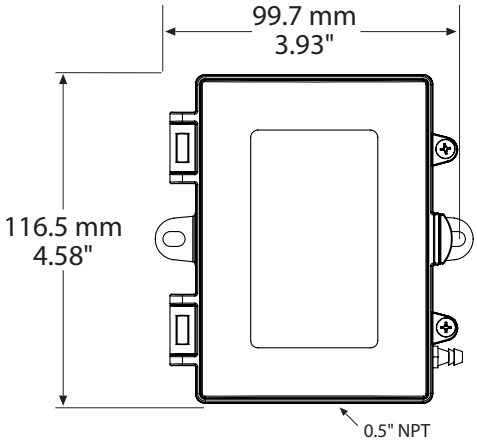
DIMENSIONS:

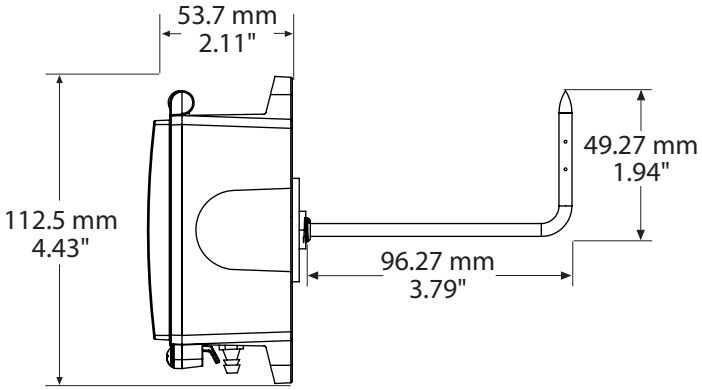
LP-X



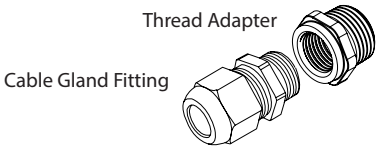


LP-S





Included with F style enclosure



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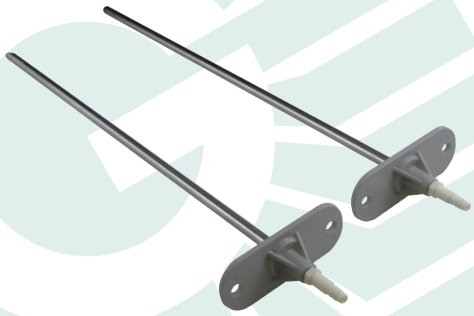

FPP & SPP Series
Pitot Tube

The FPP and SPP series are used to sense velocity pressure or static pressure respectively. Constructed of 304 series stainless steel probes with an ABS mounting bracket, they are available in 150 mm (6") or 300 mm (12") lengths. Kits are available for differential and static that are complete with pneumatic tubing.

DPFS Series
Differential Pressure Probe

The DPFS series Averaging Flow Sensor is ideal for sensing differential pressure in the inlet section of variable air volume terminal units and fan terminal units. Units can also be used to sense differential pressure at other locations on the main or branch duct systems. They are made of ABS/ polycarbonate (UL94-5V) and available in lengths from 100 mm (4") to 560 mm (22").

MP Series
Differential Pressure Probes

The MP series Air Velocity Pitot Tubes are used in conjunction with a DP transmitter to calculate airflow in larger ducts or in areas of turbulent airflow. The units come in pairs in either ABS or 316 S/S and are available in various lengths from 610 mm (24") to 2000 mm (80"). Gasketed mounting collars for both probes are included.

GREYSTONE
ENERGY SYSTEMS INC

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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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PB-LPXXX-01-02 03/19
PRINTED IN CANADA