

# SUBMITTAL

## Low Pressure Transducer

### PRODUCT SELECTION INFORMATION:

MODEL	Product Description
LP2	Jumper Selectable Ultra Low Pressure Transducer

CODE	Options
A	Standard
B	LCD Display

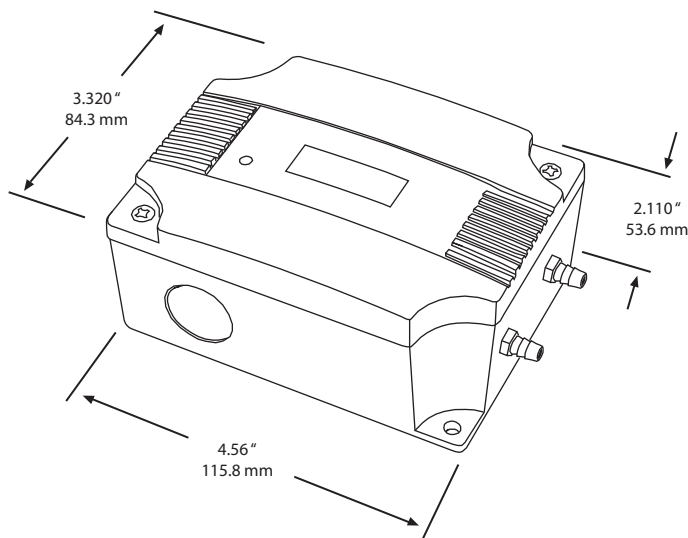
CODE	Range
00	±0.5", ±1", 0-1", 0-2" W.C.
01	±1.5", ±3", 0-3", 0-6" W.C.
02	±2", ±4", 0-4", 0-8" W.C.
03	±2.5", ±5", 0-5", 0-10" W.C.
04	±3", ±6", 0-6", 0-12" W.C.
05	±100, ±200, 0-200, 0-400 Pa
06	±250, ±500, 0-500, 0-1000 Pa
07	±400, ±800, 0-800, 0-1600 Pa
08	±500, ±1000, 0-1000, 0-2000 Pa

CODE	Alarm Output
S	Integrated Static Pressure Probe

LP2    A    00    -

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

**EXAMPLE: Low pressure, ±0.5", ±1", 0-1", 0-2" W.C., No LCD**



## Part Number:

The LP2 series is used to measure positive, negative or differential pressure. The piezoresistive sensor is ideal for monitoring the pressure for air or other clean inert gas. Typical HVAC applications include monitoring of filter differential pressure or VAV applications. An integrated static pressure provides easy of installation for duct mounting. Several accessories are available.

Accuracy	± 1% FSO
Measurement Type	Differential (two port), Static, Velocity and Total Pressure
Response Time	1 ms maximum
Over-pressure	20 psi or 2x range (whichever is greater)
Output Signal	4-20 mA (2-wire), 0-5 Vdc or 0-10 Vdc (3-wire) Pin jumper selectable
Power Supply	12-28 Vac, 15-35 Vdc (non-isolated half-wave rectified)
Power Consumption	<4 mA
Zero Adjustment	Pushbutton auto-zero
Wiring	Screw terminal block (14 - 22 AWG)
Pressure Connection	Barbed ports for 0.17" (4.3 mm) ID flexible tubing
Display	3½ digit LCD, 0.4" (10 mm) digit height

### Installation:

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

The LP2 mounts on any surface using the two 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. If the unit has the integrated static pressure probe, drill a hole in the duct and insert so the probe point is facing into the airflow. 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.



# GREYSTONE

ACCURACY BY DESIGN

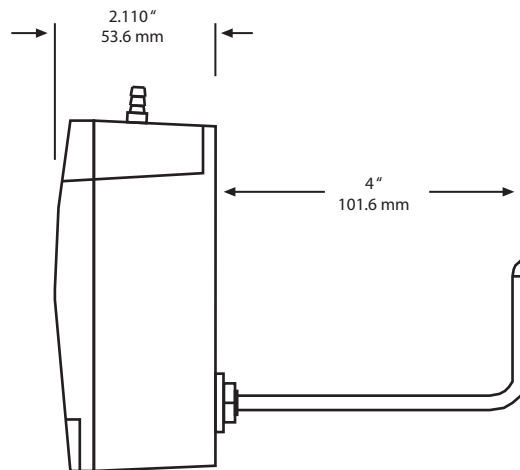
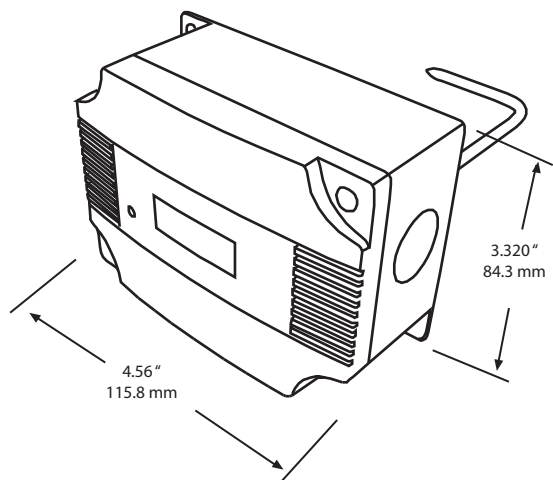
Greystone Energy Systems, Inc.  
150 English Drive, Moncton, NB  
Canada E1E 4G7

(506) 853-3057 Fax: (506) 853-6014  
North America: 1-800-561-5611  
e-mail: mail@greystoneenergy.com  
www.greystoneenergy.com

**RoHS**  
COMPLIANT

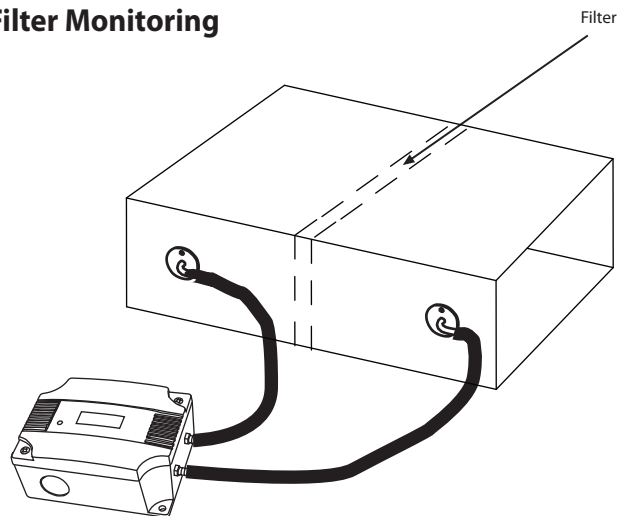


## LP2 c/w Integrated Static Probe

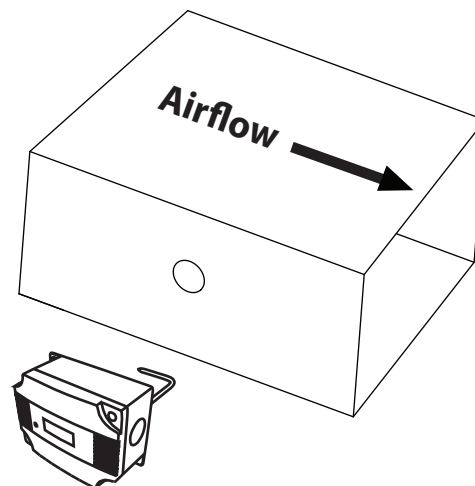


## Typical Installation

### Filter Monitoring

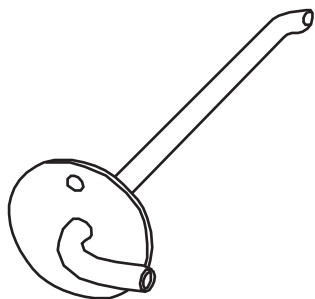


### Duct Airflow Velocity



## Accessories

### HFO & HSO - Pitot Tubes



### SSS - Differential Pressure Probe

