

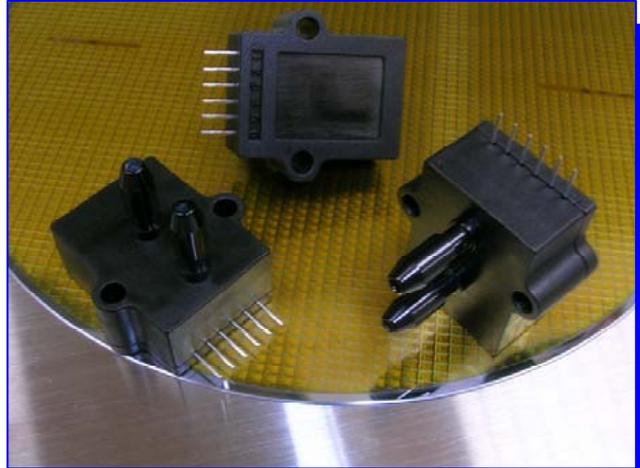
Solid State Pressure Sensor

ANALOG
OUTPUT

STX Series – Model 13A

FEATURES

- Fastening Mount
- Calibrated Span and Offset
- Multi-order Temperature compensation
- 0.5V/4.5V or optional
- 3V or 5V Supply
- Customized Configuration upon request



DESCRIPTION

The Series STX Model 13A is a smart pressure sensor with calibrated and amplified output. The ceramic hybrid package performs excellent isolation to external stress during operation. Digital compensation of sensor offset, sensitivity, temperature drift and nonlinearity is accomplished in factory via an internal DSP running a correction algorithm with calibration coefficients stored in on-chip EEPROM.

A variety of output configuration, including resolution, sampling rate, output interface are available to provide simple and ready-to-use solution for a wide range of application.

The Series STX 13A is available for pressure range from 0.15 psi to 100 psi. Please contact factory for detail.

Ordering Information

Series STX 13 Analog

13A L - XXX G - X 0 X X

Series

Supply Voltage

Blank = 4.75 to 5.25 V
L = 2.75 to 3.33 V

Type of Pressure

G: Gage (Port B only)
H: Gage (Dual Port)
A: Absolute (Port A only)
D: Differential (Dual Port)

Option

10: No special request
97: Compensated Temp 0~85 degC

Other options available upon request.

Pressure range

005 = 0 ~ 5 psi
007 = 0 ~ 7 psi
015 = 0 ~ 15 psi
030 = 0 ~ 30 psi
050 = 0 ~ 50 psi
100 = 0 ~ 100 psi

(below are Low-Pressure)

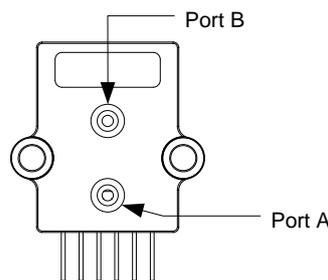
L15 = 0 ~ 0.15 psi
L30 = 0 ~ 0.3 psi
L50 = 0 ~ 0.5 psi
L70 = 0 ~ 0.7 psi
001 = 0 ~ 1 psi
002 = 0 ~ 2 psi
003 = 0 ~ 3 psi

Notes:

Custom ranges and units are available upon request. Please contact factory.

Leading Direction

0 = same side



1. Port B is used for positive differential
2. Port A is used for absolute
3. Port B is used for gage

Type of Output

0 = 1-wire P
1 = 1-wire P+T
2 = 0.5 to 4.5 V
3 = 0.2 to 4.8 V
4 = N/A
5 = 0 to 1 V
6 = 0.2 to 4.7 V
7 = N/A
8 = I²C
9 = SPI
S = Special

NOTES:

1. Specifying differential pressure means a \pm pressure range.
2. Differential pressure can be specified to a maximum of +/- 100 psi.
3. Custom output, pressure range and temperature compensated range are available.
4. Negative gage normally has offset (0.5V) at 0 psi and full scale output (4.5V). Reverse is also applicable.
5. Accuracy may vary on pressure range
6. Minimum absolute pressure that can be specified is 100 psia
7. Medium is available for clean air. For other medium please contact factory.

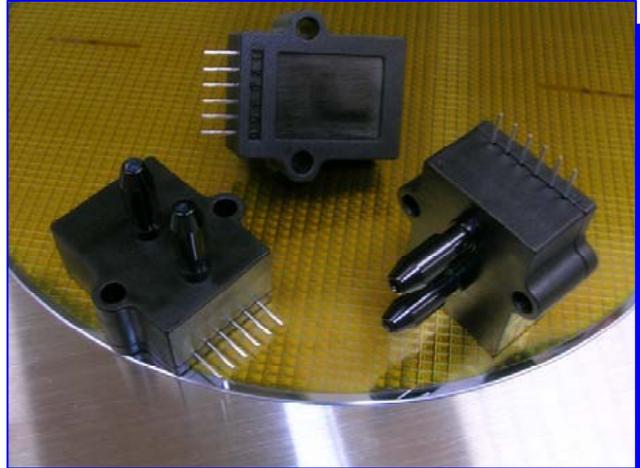
Solid State Pressure Sensor

DIGITAL
OUTPUT

STX Series – Model 13D

FEATURES

- Fastening Mount
- Calibrated Span and Offset
- Multi-order Temperature compensation
- OWI, I2C or SPI Interface
- 3V or 5V Supply
- Customized Configuration upon request



DESCRIPTION

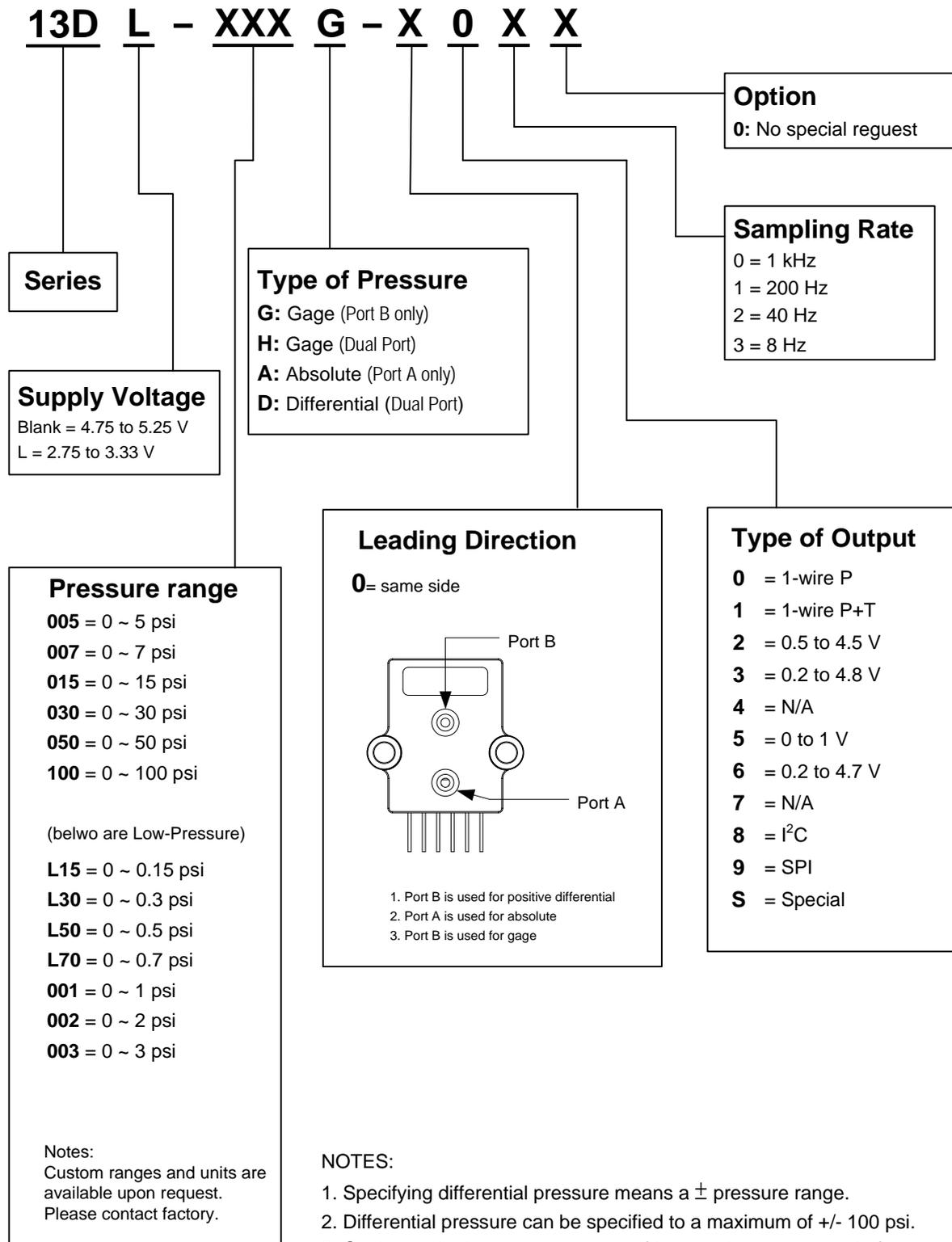
The Series CCD Model 13D is a smart pressure transducer with digital output via 1-wire serial, I²C or SPI interface. Digital compensation of sensor offset, sensitivity, temperature drift and nonlinearity is accomplished in factory via an internal DSP running a correction algorithm with calibration coefficients stored in on-chip EEPROM.

A variety of output configuration, including resolution, sampling rate, output interface are available to provide simple and ready-to-use solution for a wide range of application.

The Series STX 13D is available for pressure range from 0.15 psi to 100 psi. Please contact factory for detail.

Ordering Information

Series CCD 13 Digital



NOTES:

1. Specifying differential pressure means a \pm pressure range.
2. Differential pressure can be specified to a maximum of \pm 100 psi.
3. Custom output, pressure range and temperature compensated range are available.
4. Negative gage normally has offset (0.5V) at 0 psi and full scale output (4.5V). Reverse is also applicable.
5. Accuracy may vary on pressure range
6. Minimum absolute pressure that can be specified is 100 psia
7. Medium is available for clean air. For other medium please contact factory.