

Solid State Pressure Sensor

ANALOG
OUTPUT



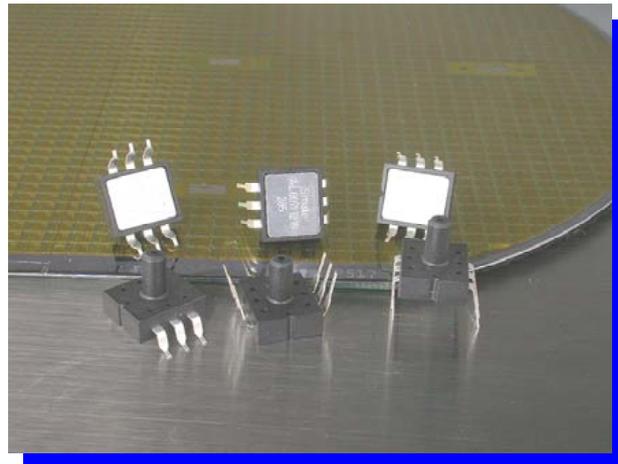
SLP Series - Model 33A

FEATURES

- Easy Design-in
- Temperature Compensated
- Calibrated & Amplified Output
- Low Cost

APPLICATIONS

- Process Control
- HVAC
- Consumer Electronics
- Medical Devices



DESCRIPTION

The SLP Series Model 33A incorporates a piezoresistive pressure sensor and signal conditioning ASIC in 6-pin DIL plastic housing for easy through board assembling. It provides low cost way to use temperature compensated and span calibrated pressure transducer for high volume application at affordable cost.

Pressure ranges from 0.15 to 150 psig. Ratiometric output at 5V excitation is 0.5 to 4.5 V. Custom output can be ordered upon request.

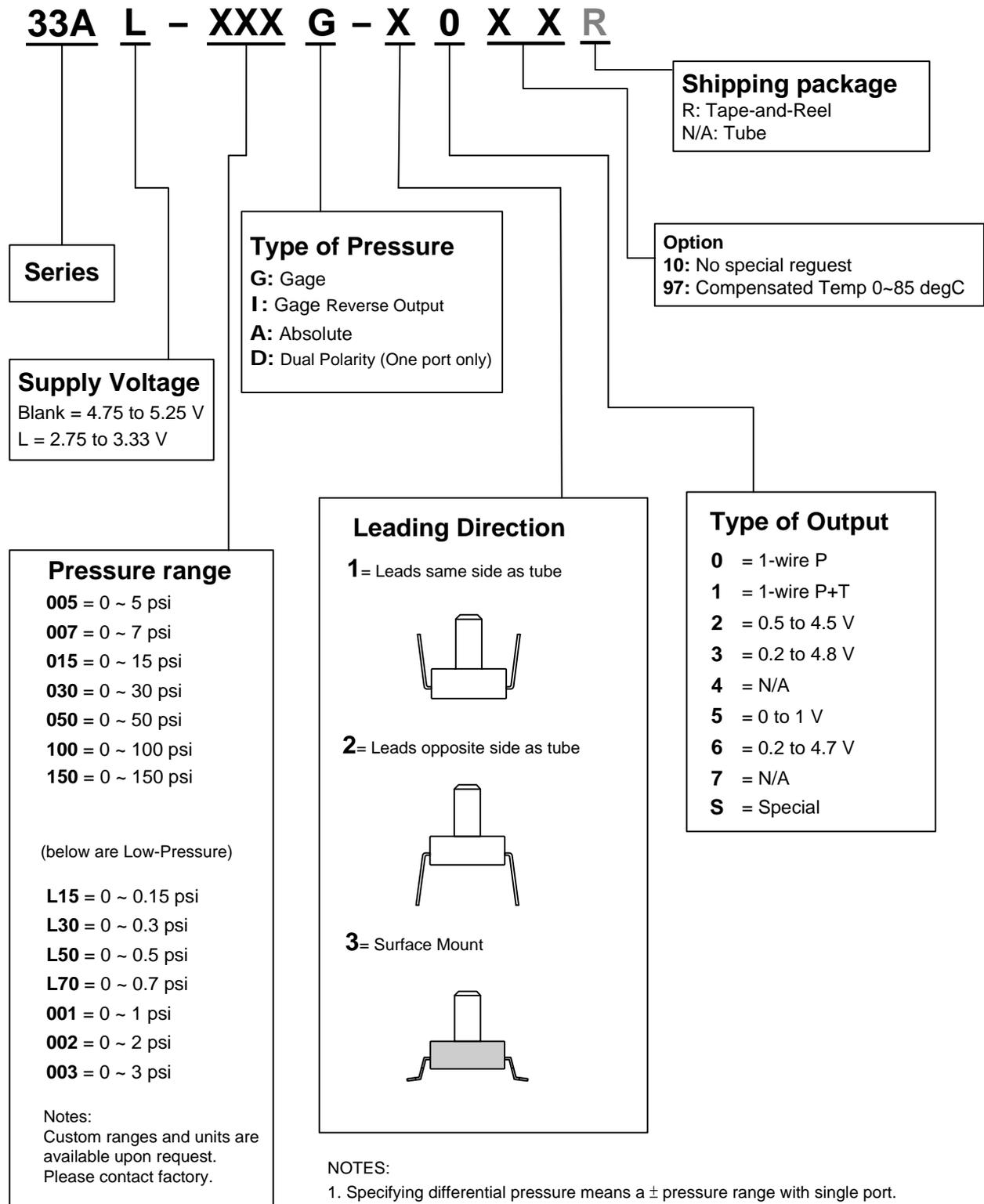
Pressure connection can be achieved through Tygon tube on the pressure port or mounting onto manifold with O-ring.

The Series SLP is also available for digital output. Please refer to data sheet of 33D for detail.

Special configuration is also available upon request.

Ordering Information

Series SLP 33 Analog



NOTES:

1. Specifying differential pressure means a \pm pressure range with single port.
2. Differential pressure can be specified to a maximum of \pm 150 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. SLP is not available for absolute pressure
7. Medium is available for non-corrosive, clean air.
For other medium please contact factory.

Solid State Pressure Sensor

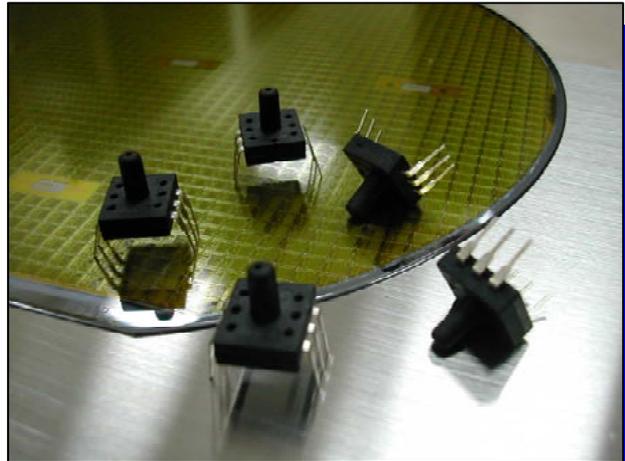
DIGITAL
OUTPUT



SLP Series – Model 33D

FEATURES

- Calibrated Span and Offset
- Low Cost Sensor Element
- Multi-order Temperature Compensation
- Analog Output available
- 0.3 PSI to 100 PSI



DESCRIPTION

The Model 33D is silicon based pressure sensor packaged with an all-in-one ASIC in plastic button cell. 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.

The sensor features 1-wire (OWI) serial output. This offers application microprocessor to access accurate pressure reading without costly signal conditioning.

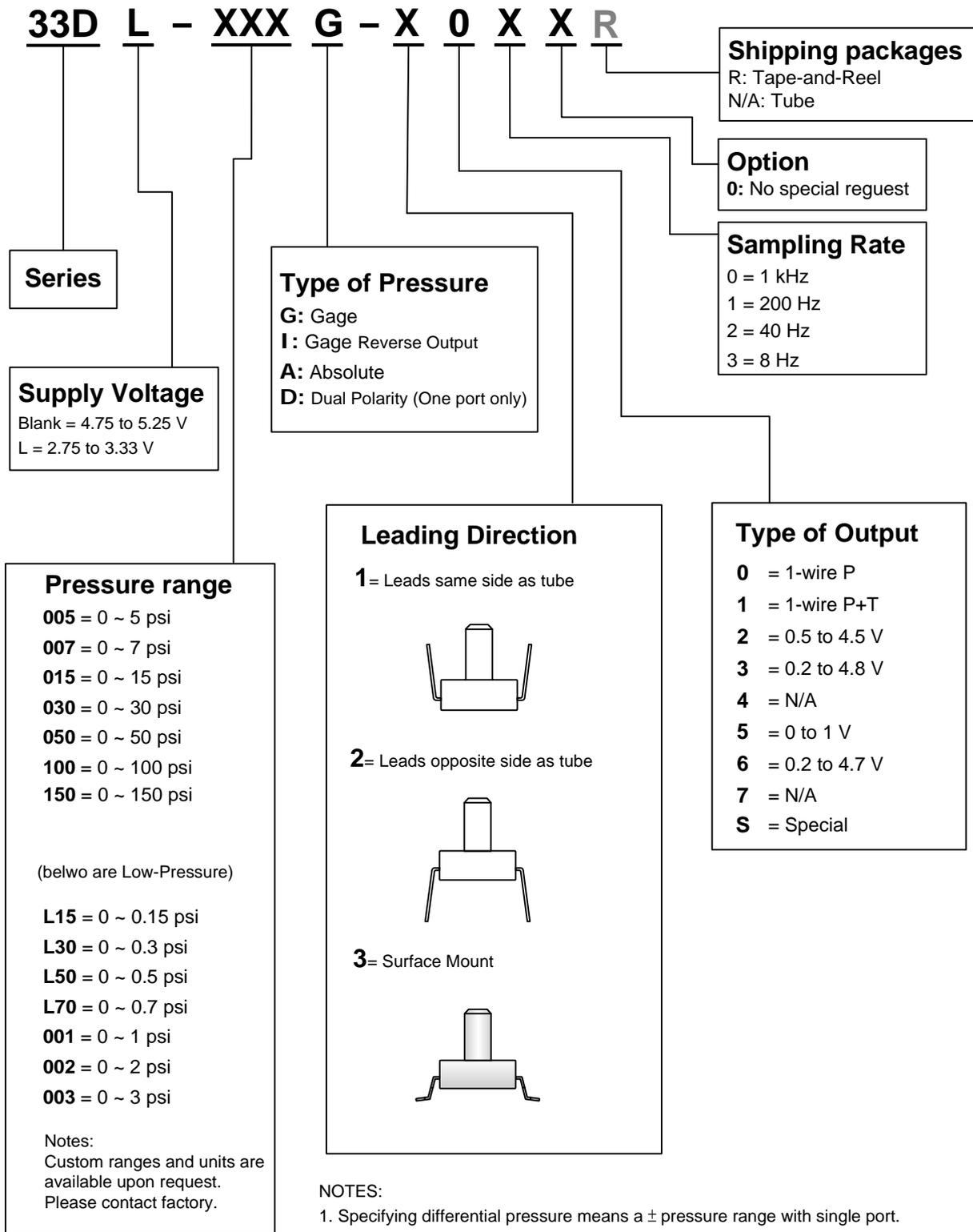
Capable of operation from 2.7 to 5.5 V simplifies sensor excitation.

The Series SLP including Model 33D and 33A, which are available for pressure range from 0.3 psi to 100 psi.

Custom range and calibration are available. Please contact factory for detail.

Ordering Information

Series SLP 33 Digital



NOTES:

1. Specifying differential pressure means a \pm pressure range with single port.
2. Differential pressure can be specified to a maximum of ± 150 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. SLP is not available for absolute pressure.
7. Medium is available for non-corrosive, clean air. For other medium please contact factory.