Low Pressure Sensors
0.1” H2O to 3 psi

5 Minute Product & Pricing Guide
PRODUCT AREAS

– Board Mount Pressure Sensors
  ▪ Different packages for mechanical flexibility
  ▪ Various accuracies for pricing flexibility
  ▪ Unamplified output & uncalibrated models
  ▪ Analog output, amplified & calibrated models
  ▪ Digital output, amplified & calibrated models

– Stand-Alone Pressure Sensors
  ▪ Amplified & calibrated analog output & 4-20 mA

– Custom Pressure Sensors
  ▪ Modify package, pressure range, performance, output

– Measuring Flow Directly?
UNAMPLIFIED LOW PRESSURE

MODEL 1210

- PC board mount
- 0-5" & 0-10" H2O differential
- 40mV output typical
- Temperature-compensated
- 3/32 in. ID hosing
- ±0.5% non-linearity
- ±1.0% temperature performance
- Dual-in-line package, metal tube or ceramic barbed ports
- Contact us for pricing

Contact us for pricing
SM9G

- Various ranges from 0-0.15 psi, 0 – 0.6 psi, or 0-1.5 psi
- Gauge & differential
- Vertical single port for gauge, dual vertical or horizontal port for differential
- Uncalibrated millivolt output
- 100 pieces $12.42 or $10.26 each depending on model
- 1000 pieces $10.52 or $8.68 each depending on model

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SM6250

-50 to +50 mbar differential pressure sensor
Pressure is measured from backside
Shipped uncalibrated & uncompensated
10X burst pressure
2.7 to 5.5V supply voltage
100 pieces is $13.50 each
1000 pieces is $11.43 each
FSP1000

- Ranges include ±1” H2O and ±2” H2O
- Differential flow through design
- 3.0 to 3.6 VDC
- Temperature compensated from -5°C to 65°C
- Digital I2C or linear voltage output
- 100 pieces $8.57 each
- 1000 $7.69 each
SM5852

- SM5852-001 for 0.15 psi, SM5852-003, 004 or 015 (0.3 psi, 0.4 psi or 1.5 psi)
- SM5852-015W for measuring 0 - 0.05 psi (1.5" H2O)
- Amplified, calibrated fully signal conditioned output span of 4.0 VDC full-scale
- Analog & digital temp-compensated & calibrated outputs
- Multi-order correction for pressure non-linearity, temperature coefficient of span and offset
- Digital read-out through I2C interface
- Output is ratiometric with supply voltage
- 100 pieces $19.03 each
- 1000 pieces $16.11 each
SM5XXX, 6XXX, 7XXX

- SM5XXX: pressure range of 56 to 140 cmH2O
- SM6XXX: pressure range of 21 to 56 cmH2O
- SM7XXX: pressure range of 10 to 20 cmH2O
- NO CALIBRATION REQUIRED – 14 bit fully digital pressure & temperature output (-20°C to +85°C)
- I2C digital interface, analog version coming soon!
- Accuracy +/-1% full-scale
- SM5XXX: 100 pieces is $13.50, 1000 pieces is $11.43
- SM6XXX: 100 pieces is $14.04, 1000 pieces is $11.89
- SM7xxx: 100 pieces is $14.58, 1000 pieces is $12.34
AL4 SENSOR

- Digital I2C output (SPI in future)
- +/- 10 kPa
- Supply voltage of 3, 3.3 & 5V
- Amplified, temperature compensated
- Accuracy 1.5% full-scale
- Modification for pressure range and accuracy may be possible for performance and cost goals
- Best performance attained with auto-zero calibration
- 100 pieces is 12.14, 1000 pieces is $8.34
MCD70

- Analog or digital interface
- Bridge configuration
- Small footprint of 10 mm x 13 mm
- SMD, DIP or SIL configuration
- Excellent offset stability
- Pressure ranges from 0.03 psi up to 1 psi
- Price (varies with model)
  - 100 pieces $21 - $11.50 each
  - 1000 pieces $14 – 6.50 each
SLP33 & MAP36 SERIES

- Various ranges from 0-0.3 psi up to 0-3 psi
- Gauge or differential (MAP36)
- 5V supply (3V model available)
- Through hole
- Surface mount option (SLP33)
- 0.5-4.5V or digital Hex output
- 100 pieces $9.12 each
- 1000 pieces $6.78 each

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CCD53 & CCD54 SERIES

- Various ranges from 0-0.15 psi up to 0-3 psi
- Gauge or differential
- 5V supply (3V model available)
- Dual-in-line package
- 0.5-4.5V or digital Hex output
- 100 pieces $12.78 each
- 1000 pieces $9.50 each

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SLP35 SERIES

- Various ranges from 0-0.3 psi up to 0-1 psi
- Gauge or differential
- Small size of 10 mm x 8 mm
- 5V supply (3V model available)
- Surface mount
- 0.5-4.5V or digital Hex output
- 100 pieces $11.36 each
- 1000 pieces $8.45 each
MS4515 & MS4525 SERIES

- MS4515 various ranges from 0-2” H2O up to 0-30” H2O
- MS4525 ranges include 0-1 psi, 0-2 psi (higher ranges available)
- Gauge or differential
- 5V or 3V supply
- Surface mount
- Analog voltage or digital output (I2C or SPI)
- Price 4515 (depends on model)
- 100 pieces $25 each
- 1000 pieces $23 each
AM5812

- Ranges include 0-0.15 psi, 0-3 psi & higher
- Differential (relative or bidirectional)
- Bi-directional available
- Maximum 6VDC supply
- Switch model available
- Surface mount
- Voltage or digital output (I2C)
- Price depends on configuration
- 100 pieces $21- $26 each
- 1000 pieces $15 - $19 each
AMS5105 & AMS5915

- Ranges include 0-5 mbar & higher
- Differential & absolute (higher ranges)
- Bi-directional available
- Maximum 6VDC supply
- Includes 2 programmable logic outputs to create a switch
- Voltage output (AMS5105) or digital output (5915)
- Price depends on configuration
- AMS5105 100 pieces $25 – $26 each, 1000 $18 - $19 each
- AMS5915 100 pieces $24 - $20 each, 1000 $17 each
AMS6915

- Ranges include 0-5 mbar to 0-1 bar
- Differential, gauge & absolute (higher ranges)
- Bi-directional available (±2.5 mbar up to ±1 bar)
- 3.3V or 5V supply
- Horizontal or vertical ports
- Programmable 5 bit I2C address
- Price depends on configuration
- 100 pieces $20–$24 each
- 1000 pieces $14 - $18 each
FS7002

- Designed to detect filter clogging
- 2 ranges: 0-5 m/s or 0-10 m/s
- Non-linear analog output
- Small form factor
- 5V supply
- 100 piece price: $17.14 each
- 1000 piece price: $15.38 each
AM1000

- Selectable flow ranges from 0-3 m/s up to 0-30 m/s. Higher flow ranges available.
- Accuracy of +/-2.5% FS
- Repeatability of 1%
- Standard output of 0.5 to 4.5V
- Bluetooth LE or RS485 outputs available upon request
- Power supply of 8-24 VDC
- AM1100 model includes humidity & temperature data
- 100 piece price: $17.14 each
- 1000 piece price: $15.38 each
HOW MAY WE HELP YOU?

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- Fax: 781-862-9244
- Web site: http://www.servoflo.com
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