



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



UNAMPLIFIED LOW PRESSURE

SM9G

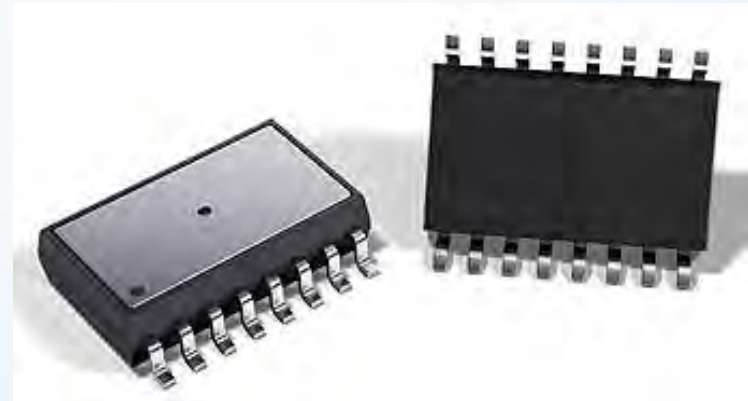
- Various ranges from 0-0.15 psi, 0 – 0.6 psi, or 0-1.5 psi
- Gauge & differential
- Vertical single port for gauge, dual vertical or horizontal port for differential
- Uncalibrated millivolt output
- 100 pieces \$12.42 or \$10.26 each depending on model
- 1000 pieces \$10.52 or \$8.68 each dependig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



UNAMPLIFIED LOW PRESSURE

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



AMPLIFIED AND CALIBRATED

FSP1000

- Ranges include $\pm 1''$ H₂O and $\pm 2''$ 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



AMPLIFIED AND CALIBRATED

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



AMPLIFIED AND CALIBRATED

SM5XXX, 6XXX, 7XXX

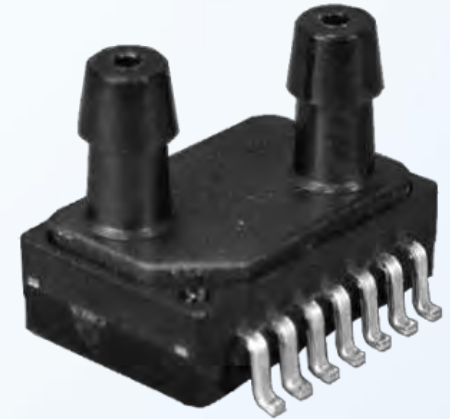
- SM5XXX: pressure range of 56 to 140 cmH₂O SM6XXX: pressure range of 21 to 56 cmH₂O
- SM7XXX: pressure range of 10 to 20 cmH₂O
- NO CALIBRATION REQUIRED – 14 bit fully digital pressure & temperature output (-20°C to +85°C)
- I2C digital interface, analog version coming soon!
- Accuracy +/-1% full-scale
- 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



AMPLIFIED AND CALIBRATED

AL4 SENSOR

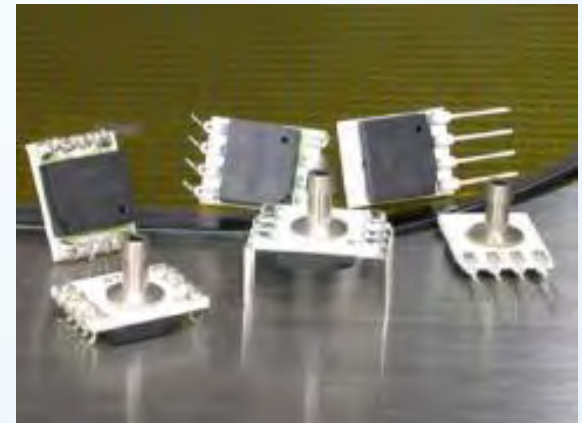
- Digital I2C output (SPI in future)
- +/- 10 kPa
- Supply voltage of 3, 3.3 & 5V
- Amplified, temperature compensated
- Accuracy 1.5% full-scale
- Modification for pressure range and accuracy may be possible for performance and cost goals
- Best performance attained with auto-zero calibration
- 100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



AMPLIFIED AND CALIBRATED

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



AMPLIFIED AND CALIBRATED

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



SLP33 Series



MAP36 Series

AMPLIFIED AND CALIBRATED

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



CCD53 Series



CCD54 Series

AMPLIFIED AND CALIBRATED

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



AMPLIFIED AND CALIBRATED

MS4515 & MS4525 SERIES

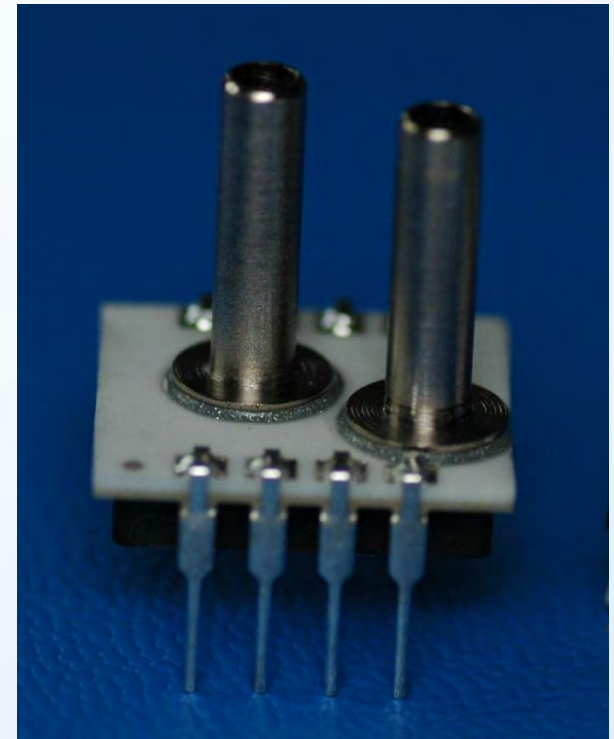
- MS4515 various ranges from 0-2" H2O up to 0-30" H2O
- MS4525 ranges include 0-1 psi, 0-2 psi (higher ranges available)
- Gauge or differential
- 5V or 3V supply
- Surface mount
- Analog voltage or digital output (I2C or SPI)
- Price 4515 (depends on model)
- 100 pieces \$25 each
- 1000 pieces \$23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



AMPLIFIED AND CALIBRATED

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



AMPLIFIED AND CALIBRATED

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 swi
- 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



AMPLIFIED AND CALIBRATED

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



MEASURING FLOW DIRECTLY

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



MEASURING FLOW DIRECTLY

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



CONTACT INFORMATION

HOW MAY WE HELP YOU?

- Tel: 781-862-9572 or 866-830-9572 (US only)
- Fax: 781-862-9244
- Web site: <http://www.servoflo.com>
- Email: info@servoflo.com
- Blog: blog.servoflo.com

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