

High Static Pressure Differential Gauges



Winters offers High Static Pressure Differential Gauges in various configurations - 2" (50 mm), 2½" (63 mm), 3½" (90 mm), 4" (100 mm), 4½" (115 mm), 6" (150 mm) dials and aluminum, brass or 316 stainless steel wetted parts.

These Winters Differential Pressure Gauges offer a high degree of accuracy +/-2%.

Winters Instruments offers 4 types of High Static Pressure Differential Pressure Gauges - Piston Type, Rolling Diaphragm Gauge, Small Convoluted Diaphragm Gauge and Convoluted Diaphragm Gauge.

Piston Type

Most suitable for general use/all purpose applications. Uses a piston with Teflon cap as a sensor to separate high & low pressure in response to pressure differentiation.

- Maximum Pressure - 3000 psi/bar
- Standard Range - 5-100 psid/bar

Rolling Diaphragm Gauge

Operates on rolling diaphragm as sensor, which separates high and low pressure ports. Recommended for air and gas applications or where zero migration of fluid between high and low ports is important. Used in high line pressure and differential pressure ranges up to 100 psid.

- Maximum Pressure - 3000 psi/bar
- Standard Range - 5-100 psid

Small Convoluted Diaphragm Gauge

Operates on a convoluted diaphragm as a sensor which separates high and low pressure ports. Recommended for air and gas applications. Used for high line pressure and differential pressure ranges up to 60 psid.

- Maximum Pressure - 1500 psi/bar
- Standard Range - 1-60 psid/bar

Convoluted Diaphragm Gauge

Operates on convoluted diaphragm sensor with differential pressure ranges 2-200 inches of water. Used where comparatively low line pressures and sensitivity to small changes in differential pressure is important.

- Maximum Pressure - 500 psi/bar
- Standard Range - 2-200 inches of H₂O/mmH₂O

Please contact Winters Instruments for the Differential Pressure Gauge that will optimize your application.



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