

PRODUCT INFORMATION**TYPE 1008 GAUGE ATTACHED TO DIAPHRAGM SEALS**

When a gauge is attached to a diaphragm seal, a calibration error will result. A metal diaphragm will cause a larger error than a Teflon or elastomeric diaphragm, and the errors in low pressure gauges will be higher than those in high pressure gauges.

Generally, ranges below 100 psi require recalibration after seal assembly.

Since the Type 1008 gauge does not have a recalibration feature, there is no way to correct for any error resulting from the assembly of a seal.

A Type 300 Viton seal, because of the very low spring rate of the diaphragm, will result in a negligible error on all Type 1008 ranges. A diaphragm seal with a metal or Teflon diaphragm will cause an error of approximately 2%, in addition to the normal 3/2/3% permitted.

The Type 310 mini-seal, because of the smaller diaphragm, assembled to a Type 1008 gauge, will cause an additional error of 3%, also additive to the normal 3/2/3% calibration tolerance. Metallic diaphragms in Type 310 mini-seals will produce very large errors and are not offered for sale.