

GAUGE CALIBRATION & CERTIFICATION

Certified pressure gauge calibration is a process of comparing a gauge in at least 5 test points over the span to a known certified and traceable pressure measuring device. We can test and certify gauges from 3% (grade B) full scale accuracy to .25% (grade 3A) full scale accuracy. Our test equipment is annually certified to be at least .05% accurate and traceable back to The National Institute of Standards and Technology, or NIST.

OUR GAUGE TRACEABLE CERTIFICATION

- We specialize in calibration with NIST certification and quick turnaround time.
- **\$35.00 for gauges up to 600psi.**
- Gauges are returned with a calibration sticker and an NIST calibration document.
- We do not charge for gauges that cannot be repaired or calibrated.
- Carefully package up your gauges and ship them to us with return address and contact information.
- We will bill after completion of certification.

- *SPECIAL QUANTITY DISCOUNTS AVAILABLE ON LARGE GAUGE ORDERS.*
- *ALL GAUGES ARE SUPPLIED WITH ¼ NPT LOWER (BOTTOM) CONNECTION.*
- *FOR \$17.50, WE CAN CERTIFY YOUR GAUGE (at the time of purchase only).*

NOTES ABOUT GAUGES

- The number one killer in gauge accuracy is hand twisting the gauge into a fitting. This turns and misaligns the movement inside the case, ruining any chance of calibrating. Always use the proper wrench and do not overtighten.
- Failure to use and open a bleeder when a hydrant valve or similar system is being closed can easily, in a second, overpressurize a gauge, stretching the bourdon tube and again ruining the gauge.
- Pressure gauges are precise measuring instruments and subjecting them to extreme cold or rough usage quickly spoils the accuracy.
- Gauges read more accurately in the mid range than on the extremes of the dial. The maximum operating pressure should not exceed 75% of the full-scale range. The normal operating range should be in the middle half of the range whenever possible.
- If a gauge is off the zero indicator sometimes it can be corrected by case venting. Venting is done by placing the gauge upright and opening the rubber vent cap at the top of the case. If the atmospheric pressure inside the case is different from the outside, the needle will, many times, be off zero.
- Liquid filled gauges sometimes may leak (weep) some fluid, especially if placed in an airplane. They do not have to be full to work properly.
- Gauges do not come from the factory with individual certification. Certification ensures accuracy and is necessary for certain types of testing. Certification is normally done on an annual basis.