

This Anderson EM-Series Gauge has been factory calibrated to within published specifications using a pressure reference traceable to NIST. The re-zero and re-span features are designed to provide optimum accuracy at the normal operating pressure of the gauge.

Re-zero Procedure:

Mount the gauge on a test fixture with a variable pressure source and an accurate pressure reference. Raise the test pressure to the normal operating pressure in which the gauge will be used. Insert a 3/32 hex wrench into the head of the re-zero shaft, located in the upper right corner of the back of the gauge. Carefully rotate the shaft to reposition the pointer to agree with the test reference. **Warning:** Adjusting more than $\pm 5\%$ of the span of the gauge may cause damage to the re-zero adjustment mechanism. Return the test pressure to zero before removal of the gauge from test fixture. Note: For offsets greater than $\pm 5\%$ of the span, return the gauge for factory recalibration or replacement.

Re-span Procedure:

If this option is included, the Part Number will include a "2" in the third to last position (eg. EM XXXXXXXXXXXX2XX). To utilize this feature, remove the rubber plug in the lower left corner of the back of the case. Remove glycerine case fill if so equipped. Mount the gauge on a test fixture with a variable pressure source and an accurate pressure reference. Pressurize the gauge to 10% of full range (10psi on a 100psi gauge). Reset the pointer to 10% using the re-zero adjustment. Pressurize the gauge to 90% of full range. Insert re-span tool into re-span plug hole. Turn tool until it engages the flat side of the mechanism link screw. Turn clockwise to decrease span, turn counterclockwise to increase span. **Warning:** Only a fraction of a turn is required to re-span the gauge. Remove tool from gauge. Re-pressurize to 10% to verify correct span. Repeat procedure until span is correct. Refill gauge case with glycerine (if equipped) and reinstall re-span plug.

Autoclaving (Unfilled Pharmaceutical Series Only):

Remove the re-span plug to allow proper venting of the gauge during autoclaving. Replace plug upon completion of autoclave cycle.

Note: After the initial autoclave cycle an offset may occur and Re-zeroing could be required (see above).



Anderson Instrument Company
156 Auriesville Road
Fultonville, NY 12072
800-833-0081
www.andinst.com

EM90crd.cdr Rev. 4/07