

This Anderson-Negele 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. Repressurize 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 Life Sciences 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).

**Warning:** This product utilizes an FDA/USP approved actuating fluid. In the event of a diaphragm breach this fluid may leak from the device.

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EM90crd.cdr Rev. 3/15



ANDERSON-NEGELE

## **Warranty and Return Statement**

These products are sold by The Anderson Instrument Company (Anderson-Negele) under the warranties set forth in the following paragraphs. Such warranties are extended only with respect to a purchase of these products, as new merchandise, directly from Anderson-Negele or from an Anderson-Negele distributor, representative or reseller, and are extended only to the first buyer thereof who purchases them other than for the purpose of resale.

### **Warranty**

These products are warranted to be free from functional defects in materials and workmanship at the time the products leave the Anderson-Negele factory and to conform at that time to the specifications set forth in the relevant Anderson-Negele instruction manual or manuals, sheet or sheets, for such products for a period of one year.

**THERE ARE NO EXPRESSED OR IMPLIED WARRANTIES WHICH EXTEND BEYOND THE WARRANTIES HEREIN AND ABOVE SET FORTH. ANDERSON MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE PRODUCTS.**

### **Limitations**

Anderson-Negele shall not be liable for any incidental damages, consequential damages, special damages, or any other damages, costs or expenses excepting only the cost or expense of repair or replacement as described above. Products must be installed and maintained in accordance with Anderson-Negele instructions. Users are responsible for the suitability of the products to their application. There is no warranty against damage resulting from corrosion, misapplication, improper specifications or other operating condition beyond our control. Claims against carriers for damage in transit must be filed by the buyer. This warranty is void if the purchaser uses non-factory approved replacement parts and supplies or if the purchaser attempts to repair the product themselves or through a third part without Anderson-Negele authorization.

### **Returns**

Anderson-Negele's sole and exclusive obligation and buyer's sole and exclusive remedy under the above warranty is limited to repairing or replacing (at Anderson-Negele's option), free of charge, the products which are reported in writing to Anderson-Negele at its main office indicated below. Anderson-Negele is to be advised of return requests during normal business hours and such returns are to include a statement of the observed deficiency. The buyer shall pre-pay shipping charges for products returned and Anderson-Negele or its representative shall pay for the return of the products to the buyer. Approved returns should be sent to:

ANDERSON INSTRUMENT COMPANY INC.

156 AURIESVILLE ROAD

FULTONVILLE, NY 12072 USA

ATT: REPAIR DEPARTMENT