WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's Warranty adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components which wear are not warranted, including but not limited to contact points, fuses, and triacs.

OMEGA is pleased to offer suggestions on the use of its various products. However, OMEGA neither assumes responsibility for any omissions or errors nor assumes liability for any damages that result from the use of its products in accordance with information provided by OMEGA, either verbal or written. OMEGA warrants only that the parts manufactured by it will be as specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESS OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIMITATION OF LIABILITY: The remedies of purchaser set forth herein are exclusive, and the total liability of OMEGA with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall OMEGA be liable for consequential, incidental or special damages.

CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component" under 10 CFR 21 (NRC), used in or with any nuclear installation or activity; or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used on humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY/DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.

RETURN REQUESTS/INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence. The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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DPG3000 Digital Pressure Gauge instructions

All units are factory calibrated prior to shipment.

1) ZERO TRIMMING:

Loosen the set screw retaining the front cover and rotate counter-clockwise to remove. You will now have access to the zero adjust potentiometer which is marked with a "Z". An ideal zero is indicated by a reading of 000 with an intermittently flashing "-" sign.

A jeweler screwdriver or an eyeglass screwdriver is a suitable instrument. Be careful NOT to touch the "S" pot to the right, as changing this adjustment will invalidate the factory calibration.

2) BATTERY REPLACEMENT:

After removing the front cover as in 1), loosen the small set screw at the bottom of the Display Assembly and remove the Assembly from the Housing (be careful of the Sensor Leads). The batteries can now be pulled from the holders and replaced with P/N DPG-BAT-C or equivalent.

3) RE-CALIBRATION

This procedure requires a known pressure source of at least +/-0.1% accuracy in order to fully utilize the accuracy potential of the DPG-3000. (If not available, gauge can be returned for re-calibration).

4) PROCEDURE:

A) With 0 psig applied (port vented) adjust zero as per instructions in #1.

B) Apply full-scale pressure to the pressure port and adjust the span ("S") pot until display reads the correct pressure.

C) Re-check zero and re-adjust the zero ("Z") pot if required.

D) Repeat steps B) and C) until no further adjustment is required.

5) 4/20 mA TRANSMITTER OPTION: (–A4 Option)

When equipped with this option the gauge no longer operates from batteries but instead is "Loop Powered". The loop connection is made to a terminal strip located inside the housing. A voltage of between 9 and 32 VDC must be maintained at this connection (Red is positive "+" black is negative "-") to insure proper operation. Completion of the earth or system ground (Green) is recommended for proper circuit protection.

Power supply voltage must be sufficient to maintain a minimum of 9 VDC at the gauge terminals after "dropping" voltage across RL at full scale current (20mA). Example: If RL = 250 ohm then "drop" is 0.02 Amps X 250 ohm = 5 volts. Therefore power supply minimum is 5V + 9V = 14V.

RE-CALIBRATION: Procedure is the same as in **3**,except that there are 2 sets of zero and span adjustments. The front panel controls affect the display and the rear controls (remove electronics as in Step 2) affect the 4/20 mA signal.

NOTE:

DO NOT UNSCREW SENSOR FROM HOUSING, THIS WILL DAMAGE THE UNIT.