

Humidity Generation and Calibration Equipment

THUNDER SCIENTIFIC
CORPORATION THE HUMIDITY SOURCE

Model 3900

Transducer Replacement Kit Procedure



Tech Support Document TSD-0213
Revision Date: October 31, 2002

623 WYOMING BLVD. SE

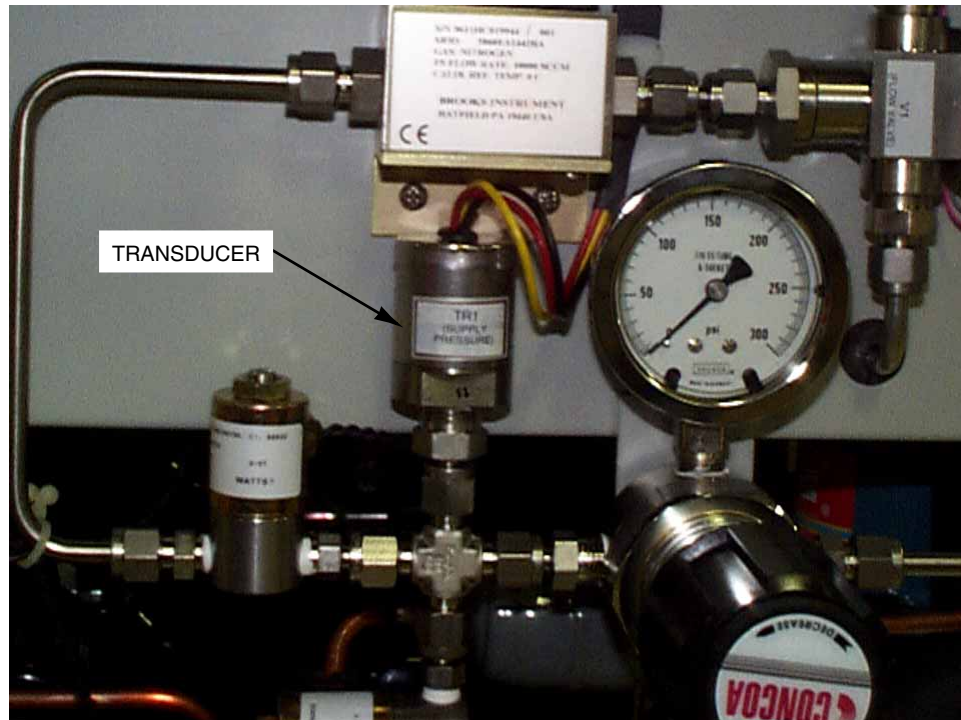


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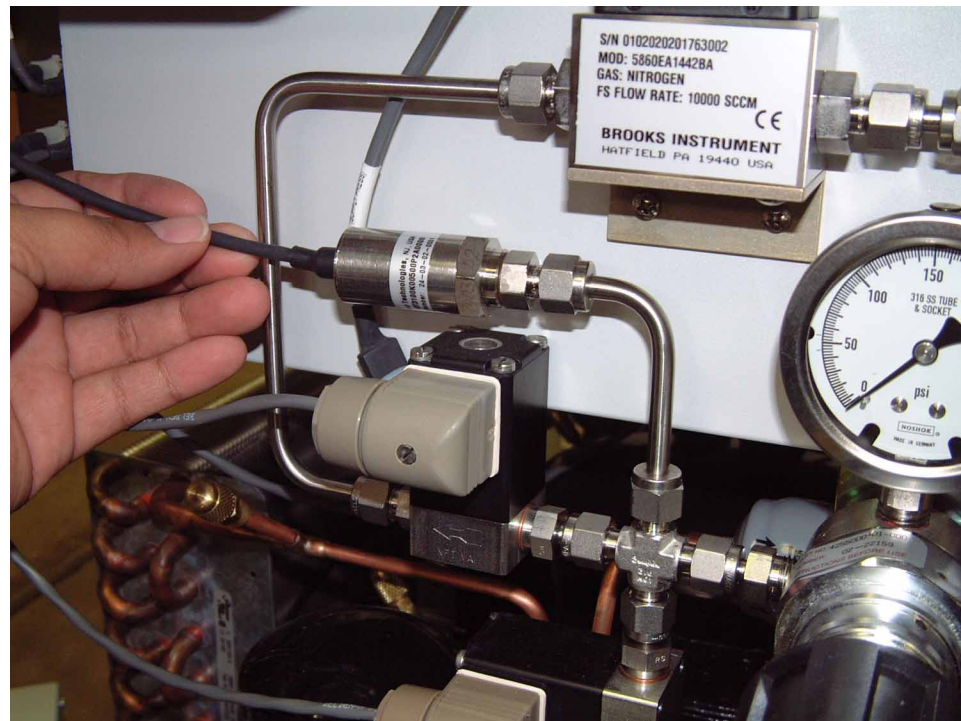


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- 1) Disconnect the power cable from the 3900 system. Remove the front panel and unscrew the swage fitting that holds the transducer in place.



- 2) Insert the new transducer assembly as in the photo.



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- THUNDER SCIENTIFIC CORPORATION
- | | SetPnt | Actual |
|--------------|----------|----------|
| *Fridge Temp | -10.000 | -11.000 |
| Freezer Temp | -11.000 | -12.000 |
| Door Temp | -12.000 | -13.000 |
| Alarm Temp | -13.000 | -14.000 |
| Low Temp | -14.000 | -15.000 |
| High Temp | -15.000 | -16.000 |
| Alarm Temp | -16.000 | -17.000 |
| Low Temp | -17.000 | -18.000 |
| High Temp | -18.000 | -19.000 |
| Alarm Temp | -19.000 | -20.000 |
| Low Temp | -20.000 | -21.000 |
| High Temp | -21.000 | -22.000 |
| Alarm Temp | -22.000 | -23.000 |
| Low Temp | -23.000 | -24.000 |
| High Temp | -24.000 | -25.000 |
| Alarm Temp | -25.000 | -26.000 |
| Low Temp | -26.000 | -27.000 |
| High Temp | -27.000 | -28.000 |
| Alarm Temp | -28.000 | -29.000 |
| Low Temp | -29.000 | -30.000 |
| High Temp | -30.000 | -31.000 |
| Alarm Temp | -31.000 | -32.000 |
| Low Temp | -32.000 | -33.000 |
| High Temp | -33.000 | -34.000 |
| Alarm Temp | -34.000 | -35.000 |
| Low Temp | -35.000 | -36.000 |
| High Temp | -36.000 | -37.000 |
| Alarm Temp | -37.000 | -38.000 |
| Low Temp | -38.000 | -39.000 |
| High Temp | -39.000 | -40.000 |
| Alarm Temp | -40.000 | -41.000 |
| Low Temp | -41.000 | -42.000 |
| High Temp | -42.000 | -43.000 |
| Alarm Temp | -43.000 | -44.000 |
| Low Temp | -44.000 | -45.000 |
| High Temp | -45.000 | -46.000 |
| Alarm Temp | -46.000 | -47.000 |
| Low Temp | -47.000 | -48.000 |
| High Temp | -48.000 | -49.000 |
| Alarm Temp | -49.000 | -50.000 |
| Low Temp | -50.000 | -51.000 |
| High Temp | -51.000 | -52.000 |
| Alarm Temp | -52.000 | -53.000 |
| Low Temp | -53.000 | -54.000 |
| High Temp | -54.000 | -55.000 |
| Alarm Temp | -55.000 | -56.000 |
| Low Temp | -56.000 | -57.000 |
| High Temp | -57.000 | -58.000 |
| Alarm Temp | -58.000 | -59.000 |
| Low Temp | -59.000 | -60.000 |
| High Temp | -60.000 | -61.000 |
| Alarm Temp | -61.000 | -62.000 |
| Low Temp | -62.000 | -63.000 |
| High Temp | -63.000 | -64.000 |
| Alarm Temp | -64.000 | -65.000 |
| Low Temp | -65.000 | -66.000 |
| High Temp | -66.000 | -67.000 |
| Alarm Temp | -67.000 | -68.000 |
| Low Temp | -68.000 | -69.000 |
| High Temp | -69.000 | -70.000 |
| Alarm Temp | -70.000 | -71.000 |
| Low Temp | -71.000 | -72.000 |
| High Temp | -72.000 | -73.000 |
| Alarm Temp | -73.000 | -74.000 |
| Low Temp | -74.000 | -75.000 |
| High Temp | -75.000 | -76.000 |
| Alarm Temp | -76.000 | -77.000 |
| Low Temp | -77.000 | -78.000 |
| High Temp | -78.000 | -79.000 |
| Alarm Temp | -79.000 | -80.000 |
| Low Temp | -80.000 | -81.000 |
| High Temp | -81.000 | -82.000 |
| Alarm Temp | -82.000 | -83.000 |
| Low Temp | -83.000 | -84.000 |
| High Temp | -84.000 | -85.000 |
| Alarm Temp | -85.000 | -86.000 |
| Low Temp | -86.000 | -87.000 |
| High Temp | -87.000 | -88.000 |
| Alarm Temp | -88.000 | -89.000 |
| Low Temp | -89.000 | -90.000 |
| High Temp | -90.000 | -91.000 |
| Alarm Temp | -91.000 | -92.000 |
| Low Temp | -92.000 | -93.000 |
| High Temp | -93.000 | -94.000 |
| Alarm Temp | -94.000 | -95.000 |
| Low Temp | -95.000 | -96.000 |
| High Temp | -96.000 | -97.000 |
| Alarm Temp | -97.000 | -98.000 |
| Low Temp | -98.000 | -99.000 |
| High Temp | -99.000 | -100.000 |
| Alarm Temp | -100.000 | -101.000 |
| Low Temp | -101.000 | -102.000 |
| High Temp | -102.000 | -103.000 |
| Alarm Temp | -103.000 | -104.000 |
| Low Temp | -104.000 | -105.000 |
| High Temp | -105.000 | -106.000 |
| Alarm Temp | -106.000 | -107.000 |
| Low Temp | -107.000 | -108.000 |
| High Temp | -108.000 | -109.000 |
| Alarm Temp | -109.000 | -110.000 |
| Low Temp | -110.000 | |

- 5) On the next display select the EDIT option button.



- 6) Press EDIT until the ENTER AUTHORIZATION CODE screen appears.



- 7) Enter the following numbers, 3900 then press enter.



- 8) Press NEXT until the SUPPLY PRESSURE parameters are displayed.



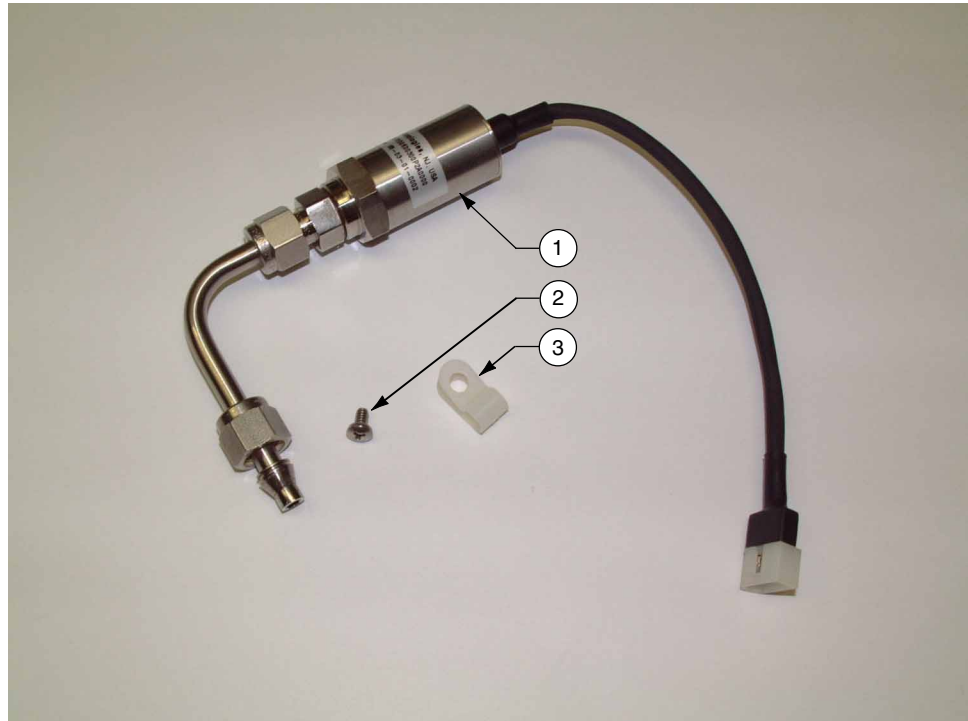
- 9) Press the EDIT button.



- 10) At the zero line enter all zeros.



- 11) Press the ENTER key.
- 12) Press the DONE button.
- 13) Press the DONE button again to restart.



NOTE: Parts provided in retrofit.

1. Transducer Assembly. (TR1)
2. Screw, 6-32 x 1/4 Pan Head Cross Machine.
3. Cable clamp. (CLMP3/16N)