12-009

18 June, 2012

RESETTING MFC SLOPES AND OFFSET IN M700E/T700 CALIBRATORS

I. **PURPOSE**:

We have found that if the AUTO-CALIBRATION procedure is performed upon the MFCs in the M700E or T700 calibrator it can cause the data to read incorrectly. This procedure will reset the slopes and the offsets for each MFC back to factory default.

II. **TOOLS**:

None

III. **PARTS**:

None

IV. **PROCEDURE**:

1. First make sure the calibrator is in the STANDBY mode. If it is not, press STBY.

2. Press SETUP – MORE – DIAG, change the password from 818 to 929 and press ENTR. This will bring you into the DIAG menu.

3. Press NEXT until you get MFC CONFIGURATION and press ENTR. Scroll through using the SET> button till you get AUTO-CAL ENABLE: and make sure that this is OFF. If it isn't, press EDIT – ON – ENTR. The calibrator should now display AUTO-CAL ENABLE:OFF.

4. After ensuring the AUTO CAL is off, press the <SET button till you get DIL1: and press EDIT. Scroll over using the SET> till you get DIL1 SLOPE: If this does not equal 1.000, press EDIT and then change the number to 1.000 and press ENTR.

5. Press SET> and it should now display DIL1 OFFSET: This should be equal to 0.000LPM. If it does not, press EDIT and change the number to 0.000 and press ENTR.

6. Press SET> and it should now display DIL1 SENSOR OFFSET: This should be equal to 0.0mV. If it does not, press EDIT and change the number to 0.0 and press ENTR. This should now reset the DIL1 MFC back to factory defaults.

7. To edit the CAL1 MFC, from the current screen, press EXIT – SET>. The calibrator should now read CAL1: Press EDIT.

8. Scroll over using the SET> till you get CAL1 SLOPE: If this does not equal 1.000, press EDIT and then change the number to 1.000 and press ENTR.

9. Press SET> and it should now display CAL1 OFFSET: This should be equal to 0.000LPM. If it does not, press EDIT and change the number to 0.000 and press ENTR.

10. Press SET> and it should now display CAL1 SENSOR OFFSET: This should be equal to 0.0mV. If it does not, press EDIT and change the number to 0.0 and press ENTR. This should now reset the CAL1 MFC back to factory defaults.

11. If you have a 3 MFC calibrator, you will want to repeat steps 7-10 for the CAL2 MFC.

12. After all of the MFCs in the calibrator have been reset to factory defaults you will want to exit back out to the main menu, wait 10 seconds and then turn the unit off for 10 seconds. After it has been off for 10 seconds, turn the power back on.

13. You can now go back to using the calibrator like normal.