Calibration Procedure of model 725

Humidity Calibration:

1. Turn the unit off. Press and hold **MAX/MIN**, **HOLD** and **REC** keys. While these three keys are pressed, turn the power on. Release these keys and all the segments on the LCD will blink.
2. After step one, within 3 seconds, the user have to press **°C/°F** and **TIME** key at the same time to enter the calibration mode or the tester will go back to normal operation mode.
3. When the tester get into calibration mode, the humidity reading will blink and "CAL1" will appear on the second display.
4. Insert the humidity probe into the standard humidity cavity of 32.8%RH@25°C. Wait until the system to stabilize for 20 minutes then press **MAX/MIN** button to create the calibration data. If the unit recognizes the value is out of tolerance, the unit will sound 2 beeps and still remain at "CAL1"mode. If the tester recognizes the value is within tolerance, new calibration data is created and the tester will go into "CAL2" mode, which will be indicated by "CAL2" at 2nd display.
5. Insert the humidity probe into the standard humidity cavity of 75.3%RH@25°C. Wait until the system to stabilize for 20 minutes then press **MAX/MIN** button to create the calibration data. If the unit recognizes the value is out of tolerance, the unit will sound 2 beeps and still remain at "CAL2"mode. If the tester recognizes the value is within tolerance, new calibration data will be written into the memory and the calibration is done.

Remark:

1. When the user perform the humidity calibration, the environment should be kept at the stable condition (i.e. Constant temperature and constant humidity in the lab.) to in increase the accuracy.
2. After the probe insert into the standard humidity cavity, the operator should wait at least 20 minutes to let the condition in the cavity to stabilize.
3. During the calibration, if the user press **POWER** button at any time, the tester will go back to normal operation mode and no calibration data will be changed.
4. During the calibration mode, the user can restore the factory default value by press the **HOLD** and **REC** buttons at the same time.
5. Because it takes some time to stabilize the system, we recommend the operator first insert the probe into the 32.8%RH@25°C standard cavity and wait for at least 20 minutes, then power the unit on and start the calibration process.
6. During the calibration, all the displayed reading is calibrated with the old calibration data and the auto power function is disabled. Until the calibration process is done, the tester will enable auto power function again.
7. During the calibration, the temperature is fixed at °F scale and it is not selectable.

T1 Temperature Calibration:

1. Turn the unit off. Press and hold **MAX/MIN**, **HOLD** and **REC** keys. While these three keys are pressed, turn the power on. Release these keys and all the segments on the LCD will blink.
2. After step one, within 3 seconds, the user have to press **°C/°F** and **HOLD** key at the same time to enter the calibration mode or the tester will go back to normal operation mode.
3. When the tester get into calibration mode, the temperature reading will blink and "CAL1" will appear on the second display.
4. Insert the probe into standard chamber of 0°C(32°F) and wait the system to stabilize for 20 minutes. Press **MAX/MIN** button to create the calibration data. If the tester recognizes the data is within the tolerance, it will go to "CAL2" mode or it will sound 2 beeps and remain at "CAL1" mode.
5. Insert the probe into standard chamber of 40°C(104°F) and wait the system to stabilize for 20 minutes. Press **MAX/MIN** button to create the calibration data. If the tester recognizes the data is within the tolerance, it will write the calibration data into the memory and leave the calibration mode. If the tester recognizes the calibration data is out of tolerance it will beep 2 times and remain at "CAL2" mode.

Remarks:

1. After the probe is in the calibration cavity, wait at least 20 minutes to stabilize the system.
2. During the calibration, the user can leave the process by pressing the **POWER** button at any time and the calibration data will be kept unchanged.
3. During the calibration mode, the user can restore the factory default value by press the **HOLD** and **REC** buttons at the same time.
4. Because it take some time to stabilize the system, we recommend the operator first insert the probe into the 0°C standard cavity and wait for at least 20 minutes, then power the unit on and start the calibration process.
5. During the calibration, all the displayed reading is calibrated with the old calibration data and the auto power function is disabled. Until the calibration process is done, the tester will enable auto power function again.
6. During the calibration, the temperature scale is fixed at °F and it is not selectable.