

# CALIBRATION MANUAL

## HD-DA-5000



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## <HOW TO CALIBRATE HD-DA-5000 >

1. Prepare a Jumper Pin (Pin distance : 5mm)
  - Open the Battery Cover.
  - Take out the batteries and insert them again (Initialization)
  - You can see 3 holes above the batteries.  
Connect the both end-side hole by using the Jumper Pin like our photo.



2. Press the power button, then it is now "Calibration Mode".  
The unit will display "L 22" on the window.
  - Wait until the unit displays "L 0" after sequential countdown.
  - Blow alcohol 0.05% concentration into the mouthpiece for 5 seconds, as soon as the "L" displays on the window with a beep sound twice.

3. If above blowing is performed successfully, the unit will display "L 15" automatically. Then,
  - Blow alcohol 0.05% concentration for 5 seconds again, as soon as the "L" displays on the window with a beep sound twice (same way as number 2)
4. Next, the window will display "H15".
  - Blow alcohol 0.10% concentration into mouthpiece, as soon as the "H" displays on the window after a beep sound twice in the same way as above,
5. If above number 2 ~ 4 are performed successfully, the window will display 455, 456, 510 (these numbers could be different per set) one after another. Then,
  - Remove the batteries and insert the batteries again.
6. Press the power button for using.

If you see "CAL" on the display window, then it means Calibration Error. You must calibrate again.

**\* Important notice \***

Blowing alcohol into the mouthpiece for above number 2~4 must be done within 5 seconds after a beep sound twice.

