

A. SET-UP

OPERATION PANEL

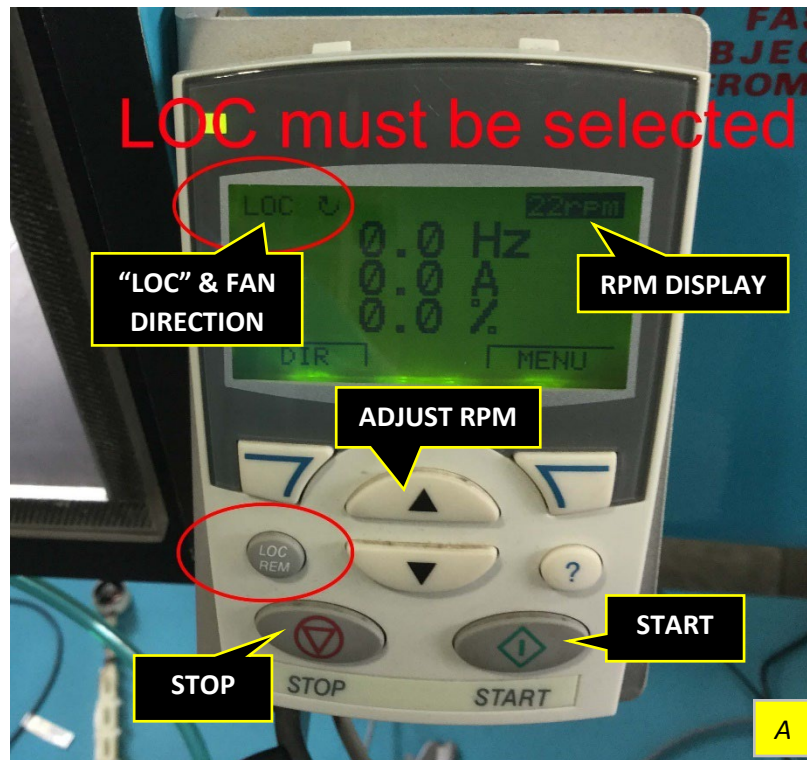
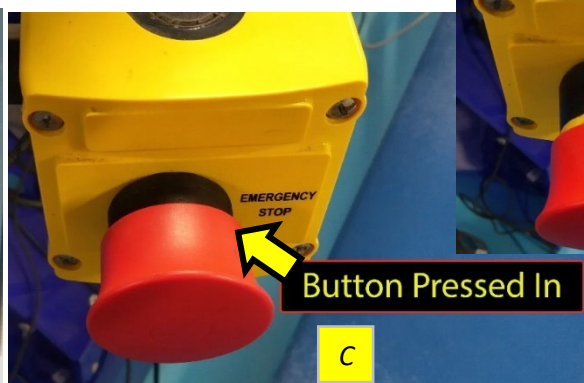
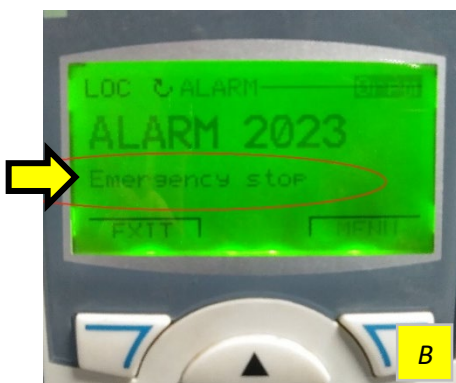


ABB Operator Panel ACS-CP-A

1. Press START button to run the motor (check connection to power source if fail to run).
2. Assure LOC is selected as shown in the figure above.
3. Adjust Fan speed with up/down buttons in the centre of the panel.

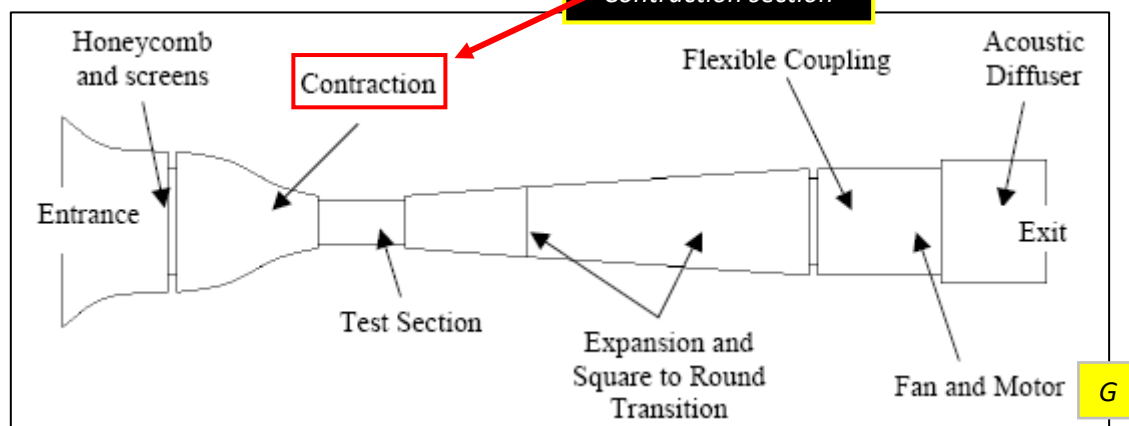
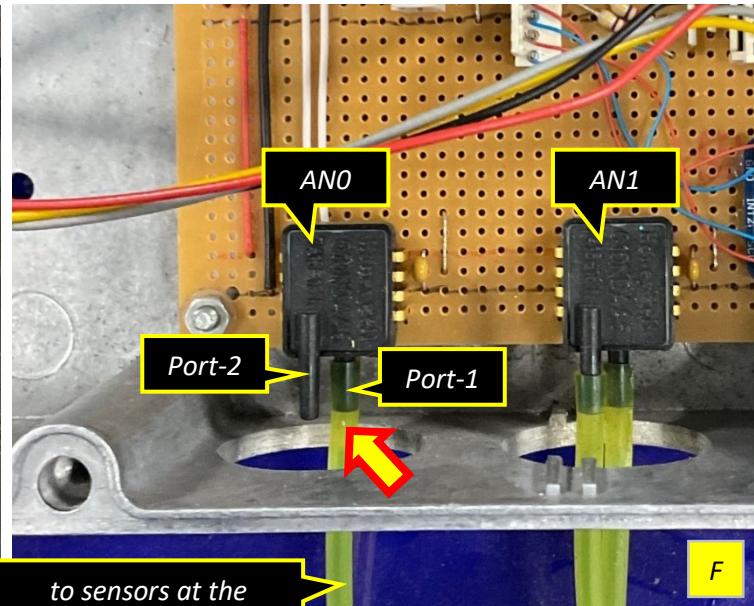
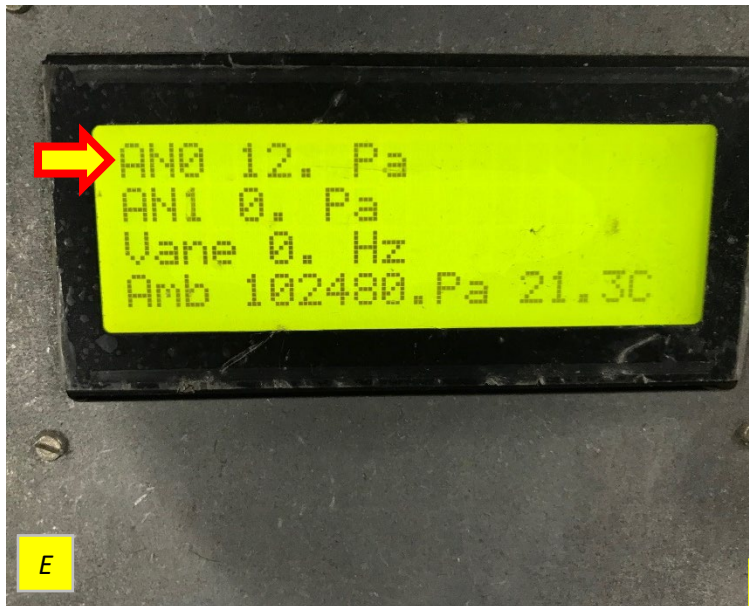
EMERGENCY STOP



1. If Emergency Stop is displayed [Fig. B], so the Emergency Stop Button has been pressed [Fig. C] that is Emergency button remains pressed in and will stop the motor from starting
2. Pull out the Emergency Stop Button to release [Fig. D]
3. Go to the Operator Panel, press STOP button and then press START button to reset.

B. PROBLEM SOLVING

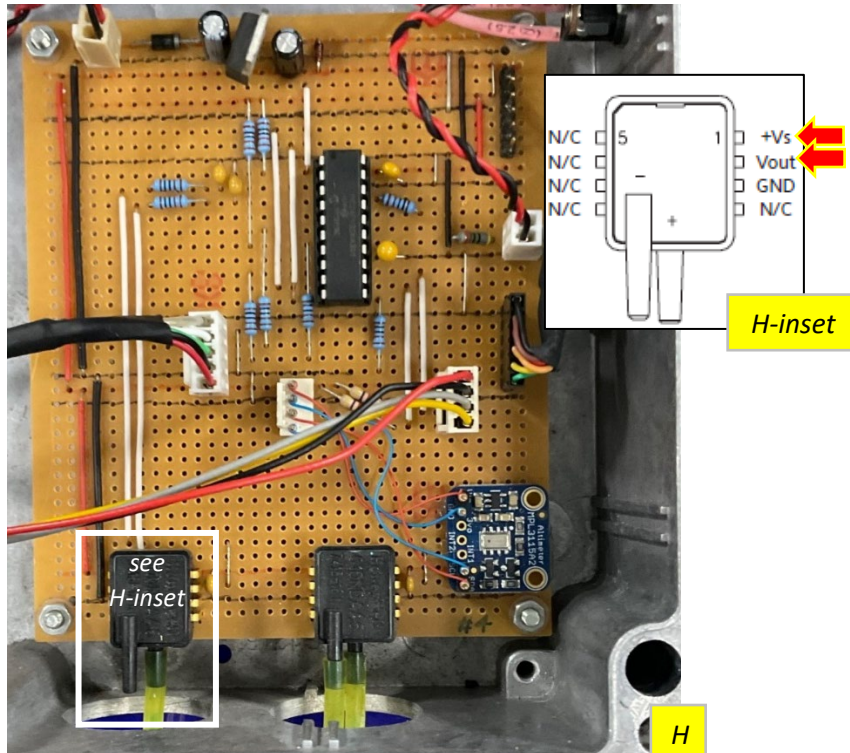
ON DISPLAY: AN0 VALUE IS A POSITIVE *instead of a negative value as in the Prac-Sheet*



1. AN0 value shows a positive number [Fig. E] on the pressure sensors box, and the value is increasing/decreasing along with higher/lower of RPM of the motor.
2. Undo the six screws of the cover of the box, and disassembly the cover and found a PC Board shown partially in [Fig. F].
3. Make sure the clear tube from the Contraction's sensors [Fig. G] is connected to *PORT-1* of the AN0 pressure transducer [Fig. F].

ON DISPLAY: ANO VALUE IS DRIFTING CONSTANTLY

1. ANO value shows on the pressure sensor box, is **drifting**, even the motor is not OFF and the Test Section [Fig-F] is not covered.
2. Check and clean *tube lines* connecting *Contraction* side [Fig-E], *Manometer* & the sensor [Fig-F]
3. If **2** failed; direct connect *Contraction* and the sensor that is no junction is needed.
4. If **3** failed; using a multi-tester, check **+Vs** & **Vout** [Fig-H inset] and the values should be **5 V** and **2.5 V** (see H-inset), respectively, and remove the board & seek help from Instrumentation W/S.



E N D