

D-90500

TC-5 Operation Manual

Rev A

Table of Contents

Table of Contents	1
Notes	2
Preparing the Chamber for use	2
Conducting a Run-Up	3
Ascent	3
Descent	5
Prepare the Unit for Storage/Transport	6

Notes

Operating Voltage: **80-240V**

The TC-5 Chamber is for **REFERENCE ONLY**. It **DOES NOT INCLUDE** a reference altimeter.

By testing altimeters with a known calibrated altimeter, any discrepancies in altitude will be seen.

Preparing the Chamber for use

1. Open pelican case.
2. Remove power cable from chamber & plug power lead into power jack. (Top left of unit)



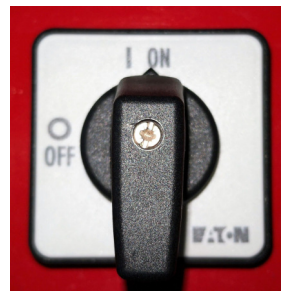
3. Ensure Descending Speed & Climbing Speed dials are turned completely clockwise, this is the **Off** position.



4. Ensure **Descend Altitude** & **Climb Altitude** toggle switches are in the **Down/Off** position.



5. Switch **On** mains power. (Bottom left of unit)



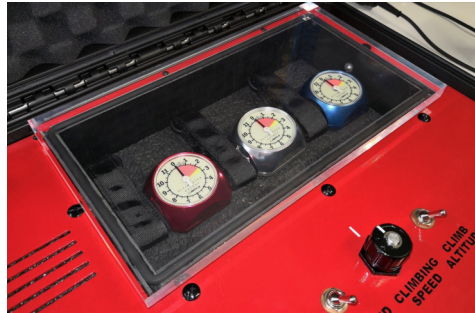
Conducting a Run-Up

Ascent

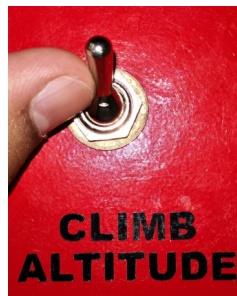
1. Place altimeter/s into chamber & place the perspex top over the chamber opening.



- Ensure the rubber gasket built into the chamber rim is making full contact with the perspex top.



2. Move **Climb Altitude** toggle switch to **Up/On** position.



3. Turn **Climbing Speed** dial **anti-clockwise** 2 full turns.



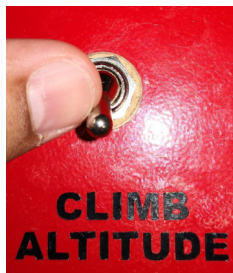
4. Apply light pressure to **Left & Right sides** of the perspex top, till altitude in the chamber begins to rise.



5. Use **Climbing Speed** dial to adjust the rate of ascent. (**Anti-Clockwise = Faster, Clockwise = Slower**)

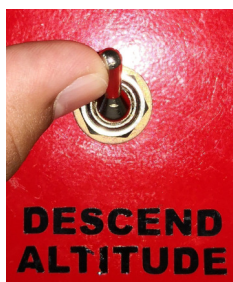


6. Once desired altitude has been reached, move **Climb Altitude** toggle switch to the **Down/Off** position. (This will hold the chamber at the desired altitude)



Descent

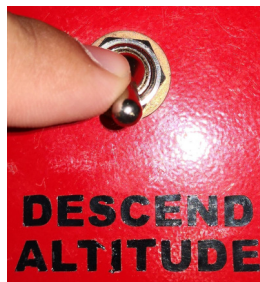
1. Move **Descend Altitude** toggle switch to the **Up/On** position.



2. Turn **Descending Speed** dial **anti-clockwise** until desired descent speed is reached.



- Use the dial to control the rate of descent. (**Anti-Clockwise = Faster, Clockwise = Slower**)
3. Ensure that descent has completed, then move **Descend Altitude** toggle switch to the **Down/Off** position.



4. Remove perspex top & remove altimeter/s.

(If you are unable to remove the perspex top with ease, ensure that the vacuum in the chamber has completely equalised by turning the **Descending Speed** dial **anti-clockwise**.)

Prepare the Unit for Storage/Transport

1. Ensure the power switch is set to **Off**.



2. Coil up power cable & rest inside chamber opening.



3. Place the perspex top on chamber opening & close the pelican case.



4. Ensure both pelican case latches fully click shut.

