

### Assembly Instructions altimeter ALT-USB and ALT-LED in the rocket (class S1 and S5)

Below are shown examples of how to mount altimeter. Of course, everyone experienced modeler will have its own assembly.

#### Option 1

You should do a separate container for altimeter.

##### Internal minimum dimensions of the container.

For rockets with a diameter greater than 15mm: diameter 13,8mm; length 34 mm

For rockets with a diameter of less than 15 mm: diameter 10,8mm; length 46mm

The size of the container must be carefully matched to the rockets. Too loose container can be moved during flight and thereby change the balance of the rocket.



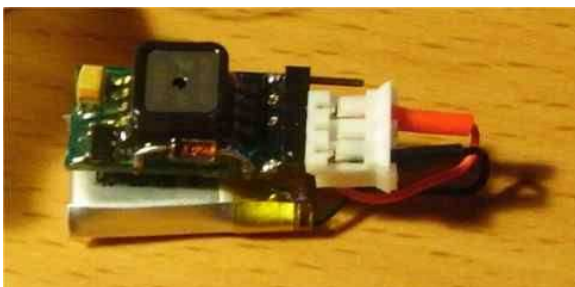
You should do two round caps of depron. Cut on the side of the hole with a diameter of approximately 3mm



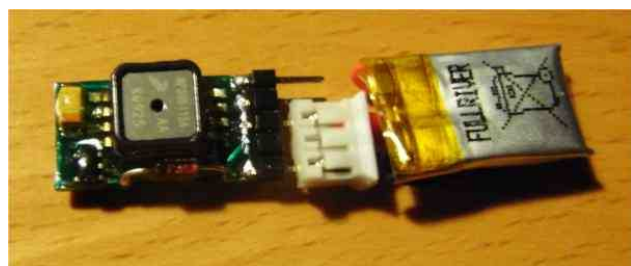
1. Make two tubes.  
Tubes must have different diameters, so that they can put one into the other.

2. Connect the battery to the altimeter. Method of arrangement battery:

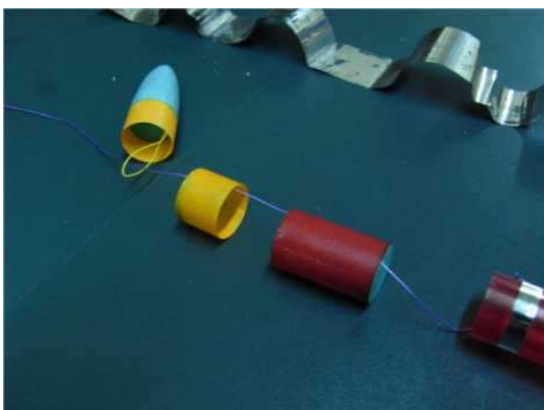
For rockets with a diameter greater than 15mm

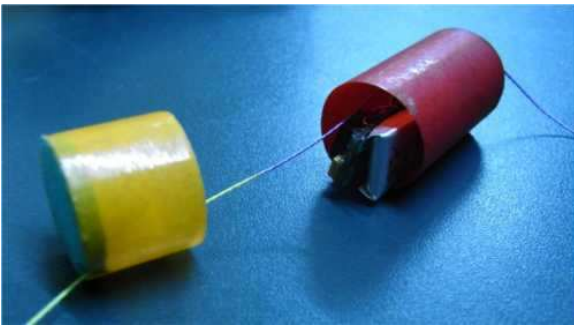


For rockets with a diameter of less than 15mm

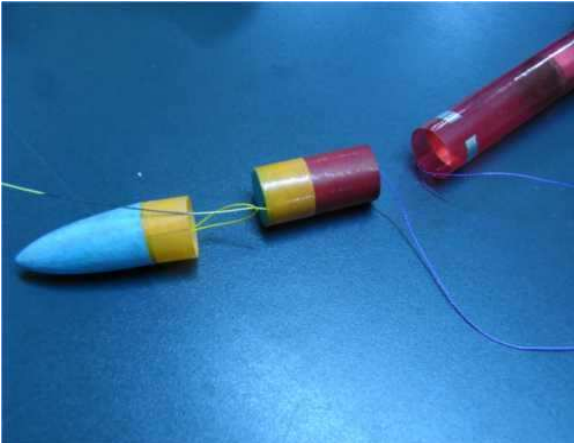


3. Drag the cord through the two tubes





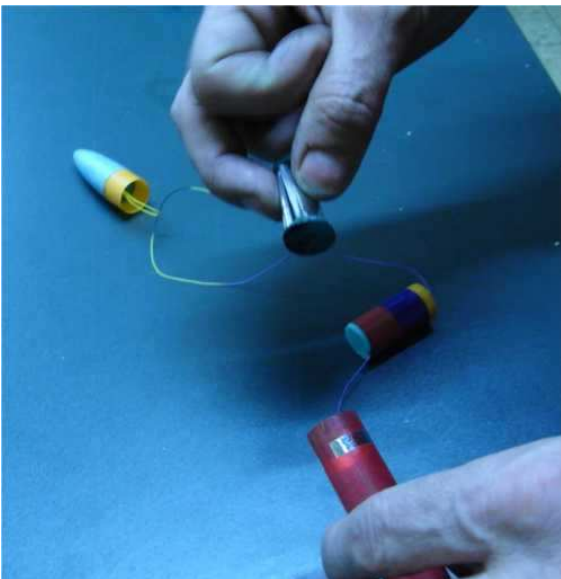
5. Altimeter to insert the tube. Before inserting into the rocket, you should make sure that the LED is blinking single flashes (altimeter is reset). Please protect it with a soft foam or crumpled tissue (handkerchief Hygiene). Altimeter must be as tightly inserted into the container. Moving altimeter can change balance of the rocket during flight.



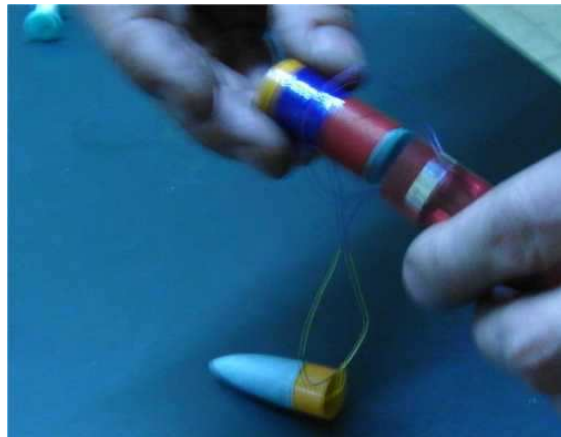
6. Connect the two halves of the container and glue tape.



7. Now, insert the plunger together with the tape inhibitory



8. Then insert the container



9. Push the container and fit the head racket



### **Where should we locate the altimetr?**

If you plan to put altimetr in the rocket to be taken into account that the altimeter is a device which measures changes in pressure. Therefore, should not be placed in the immediate vicinity altimetr engine. Altimeter must be separated from direct gas engine. Ignition, which ejects the tape brake can significantly distort the measurement results as well as destroy the same altimeter (gases are very corrosive.)

Therefore, you should always use the separating pistons. Must be maintained order: engine, brake piston with tape or other separator, container from the altimeter.

### **Ventilation holes**

For rockets S1 do not have ventilation holes (if the rocket is not hermetic)

For rockets S1 to be done two or three holes with a diameter of 0,3 mm – 0,4mm – (if the rocket is hermetic)

For rockets S5 to be done two or three holes with a diameter of 0,4 mm – 0,5mm

### **The exact description of the article is Tony Reynolds.**