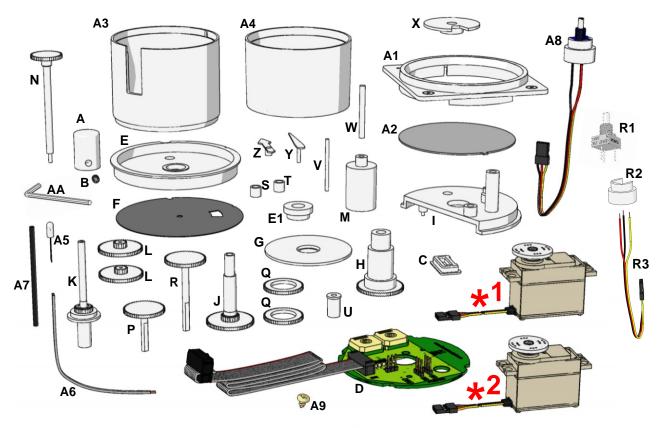


CONSTRUCTION MANUAL

Read this manual carefully before starting construction

ALTIMETER



(SERVOS, WHEREOF ONE MODIFIED,

Construction kit "Altimeter"

Your kit contains all the necessary components (except for servomotors) for building an "Altimeter".

Fine-tuning

The calibration software allows you to accurately adjust the instrument (once connected to the Central Control Unit) to the movement of the needle of the chosen instrument.

Difficulty level

This product can be constructed without technical expertise. Knowledge of electronics soldering is required. Care and accuracy are of utmost importance.

What else do you need?

A normal and a modified servomotor, types HS300, HS311 or equivalent, are required to make the instrument fully functional (for modifying a servomotor, see the separate manual). This product can be ordered separately through the SimKits webshop or bought from any retailer of model kits. Additionally you will need some simple tools, such as a small star-shaped screwdriver, a hobby knife, some pliers, a small hammer, a 1/16" (4 mm) drill, a 0.26" (6.5 mm) drill, a soldering iron (suitable for fine electronics), tin solder, insulating adhesive tape, superglue and glue suitable for plastic model kits.

General hints

Be very careful when using the hobby knife! You can easily hurt yourself when handling sharp objects! Take good care of the amount of glue you apply and to which areas you apply it. Glue for plastics is essentially a solvent. Excessive use can damage the exterior of the instrument.

Preparations before beginning construction Check if all components are included. During packing, the contents of the construction kit have been inspected several times. Nothing should be missing.

Use the hobby knife to remove any irregularities. Be careful when using the sharp hobby knife!

Warranty

Construction kits come without a warranty!

List of components

- Metal knob
- Inbus key AA
- В - Bolt (inbus)
- Strain relief C
- Printed Circuit Board D
- Е - Lower faceplate
- E1 - Bearing
- Faceplate
- G - Pressure scale
- Н - Outer shaft
 - Plate
- Central shaft
- Inner shaft

- Double gearwheel (2 x)
- Upper cap rotary encoder Propeller shaft
- Ν Ρ Gearwheel with shaft, short
 - Hollow gearwheel (2 x)
- Q R - Gearwheel with shaft, long
 - Fastening cap 1
- Fastening cap 2
- Bush rotary encoderGearwheel shaft U v
- W Shaft

S

- Indicator 10.000 foot Χ - Indicator 1.000 foot
- Z
 - Indicator 100 foot
- Front ring Α1 Front optical A2
- АЗ Upper casing
- Lower casing
- Α5 Light
- A6 2-Wire cable
- Heat shrink sleeve Α7
- Rotary encoder assembly or R1, R2, R3 A8*
 - Self-tapping screw for mounting PCB
- Rotary encoder R1*
- R2* Rotary encoder fitting
- R3* Rotary encoder wire

*(A8 or R1, R2, R3 is included)



