

CONSTRUCTION MANUAL Read this manual carefully ADF before starting construction.



Construction kit "ADF"

Your kit contains all the necessary components (except for a servomotor) for building an "ADF".

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 modified servomotor, type HS300, HS311 or equivalent, is required to make the instrument fully functional (for modifying a servomotor, see the separate manual). This product can be ordered separately 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 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!

Warrantv

Construction kits come without a warranty!

(SERVO, Not included in kit!)

List of components

- A Metal button
- AA- Inbus key
- Bolt (inbus) В -
- С -Strain relief
- -D Printed Circuit Board
- Е Compass ring
- F -Indicator lower plate
- G -Indicator lower ring
- Н -Indicator lower disc
 - -Plate
 - -Shaft with arms
- J Upper cap for modifying compass ring Κ -
- Lower cap for modifying compass ring -1
- Μ -Needle
- 0 _

L

- Hollow gearwheel 1 _
- Ρ Gearwheel with shaft, short
- Q Hollow gearwheel 2 -R
 - -Gearwheel with shaft, long
- Fastening cap 1 S т
 - -Fastening cap 2
- U -Servo cap
- V Tilted gearwheel
- W Straight gearwheel
- Shaft for straight gearwheel Х-
- Ζ -Shaft for modifying compass card
- Z1 -Spring for modifying compass card
- A1 -Front ring
- A2 Front optical
- A3 Upper casing
- A4 Lower casing
- A5 Light
 - A6 2-Vein cord
 - A7 Sleeve
 - A9 Self-tapping screw for mounting PCB

















