

Instructions for

## Digimeter mc Memory

Order no. 7019/39



The device Digimeter mc Memory measures the following data:

| Value        | bandwith                                   | Resolution |
|--------------|--|------------|
| Flight hight | -2000 to +2000 meter<br>+- 5% / +- 4 meter | 2-4 meter  |
| Ampere       | 5 to 10 A +- 10%                           | 100 mA     |
|              | 10 to 60 A +- 5%                           | 100 mA     |
|              | 60 to 100 A +- 10%                         | 100 mA     |
| Voltage      | 0,01 to 40,9 V                             | 10 mV      |
| RPM          | 10 to 20.000 +- 20                         | 10 rpm     |
| Temperature  | 0,1 to 100°C                               | 0,1 °C     |
| Time         | 59,59 minutes                              | 1 sec.     |

Digimeter has to be connected to the receiver (like a servo). The measuring will be done every second and Digimeter can save 9 measurings which have to be released by a switch with the radio control. Also the maximum measured values are saved which leads to a total of 60 measured values which are still saved when the device is switched off the batteries. With the radio control you should use a switch having a forward – stop – backward opportunity.

The device is powered by the flight batteries and should not be connected to the receiver battery. There must be a minimum power of 5,6 Volt to keep the Digimeter running.

When everything has been connected you should switch on your components as follows:

Radio control, receiver, flight battery.

Then Digimeter shows "EICHEN" on its display after the battery had been connected. The switch on your radio control which is for the Digimeter has to be at the "stop" position when the batteries are connected. Digimeter gets the first input and it will save the recent altitude (sets it to = 0).

Then "WEITER" will appear on the display and you are in the menu now.

The programmes can be browsed by the sender's switch clicking forward. If you have choosen a programme, please click the switch backward to start it. If you want back to "EICHEN" just disconnect the device from the battery for some seconds.

If "SERVOI" appears on the display, there is no contact with the receiver or the receiver has no connection to the radio control (please check all connections and the battery pack for the receiver). It is necessary to measure the altitude when the model is at the ground for a correct calibration of the device.

The measured data will appear as follows:

0254 MM

The first M stands for meter

The second M stands for maximum (the maxium value of meter during the flight). If the second M is replaced by a number 1-9, it shows the measuring that has be done first, second, third,.....

This example means: The maximum hight of the flight was 254 meters.

A good air circulation should be guaranteed within the model since the device needs to measure the air pressure and temperature. Also the weather can lead to mistakes in measuring due to different air pressures. Please place the Digimeter as far way from the motor as possible to prevent malfunctions.