

Changes to versions 3031/3032:

flight page/info lines

Info line **Mtot +2.4m/s** (total average of last climb) uses now total energy calculation instead of altitude difference.

Info line **L/D: 049a 045r** now shows to numbers: actually measured L/D ('a') and required L/D ('r') to target waypoint.

A new info line **D: 0123km/0789km** shows the distance flown (as shown in '06: Statistics') and the possible total distance (flown distance + remaining distance to end point of the selected route).

An additional info line **HOME:0123.2>088°** shows distance and direction to your home APT.

04: adjust before takeoff

Instead of setting ELEVATION by hand, now a HOME airfield is selected from either the user waypoint list (001...990) or the airfield data base (above 1000) and the associated waypoint elevation is used as ELEVATION data after the ZS1 is turned on.

The ELEVATION is used for calculation of height above ground (GND) or for target waypoints without elevation information (Elev: =000).

With cursor on HOME and knob turned right, ELEV is switched to AUTO. Then ELEVATION is set by the elevation of the nearest airfield during flight. If an info line 'nearest airfield' is displayed on the flight page, the airfield marker '#' will change to '_' in AUTO mode to show that the elevation of this airfield is used for GND calculation.

24: FLARM

If 'display on reception' is activated, this page will be displayed if an outside FLARM is received. After reception has ended, this page will switch back to the flight page after 10 seconds.

With cursor set on 'ID:', all 6 hex digits of the outside flarm identifier are shown; normally only the last 3 hex digits are shown.

11: Function Test

3= simulator

Two types of simulators can be selected:

1 = simulation of sensor signals set by hand (as with earlier versions)

2 = use of sensor signals for variometer, airspeed, altitude and GPS from PC simulator CONDOR. Sensor signals are transferred via NMEA input of ZS1 (which is the PC connection of ZS1).

Other changes:

Wind information transmitted to flight recorder GP941 uses now magnetic directions only (independent of direction setting in ZS1).

If the ZS1G is used as GPS calculator with a GPS receiver connected to the NMEA input, the GPS altitude will be used for glidepath calculations.

If used a GP941 with the ZS1G, the barometric altitude measured by GP941 and will be used for glidepath calculations.