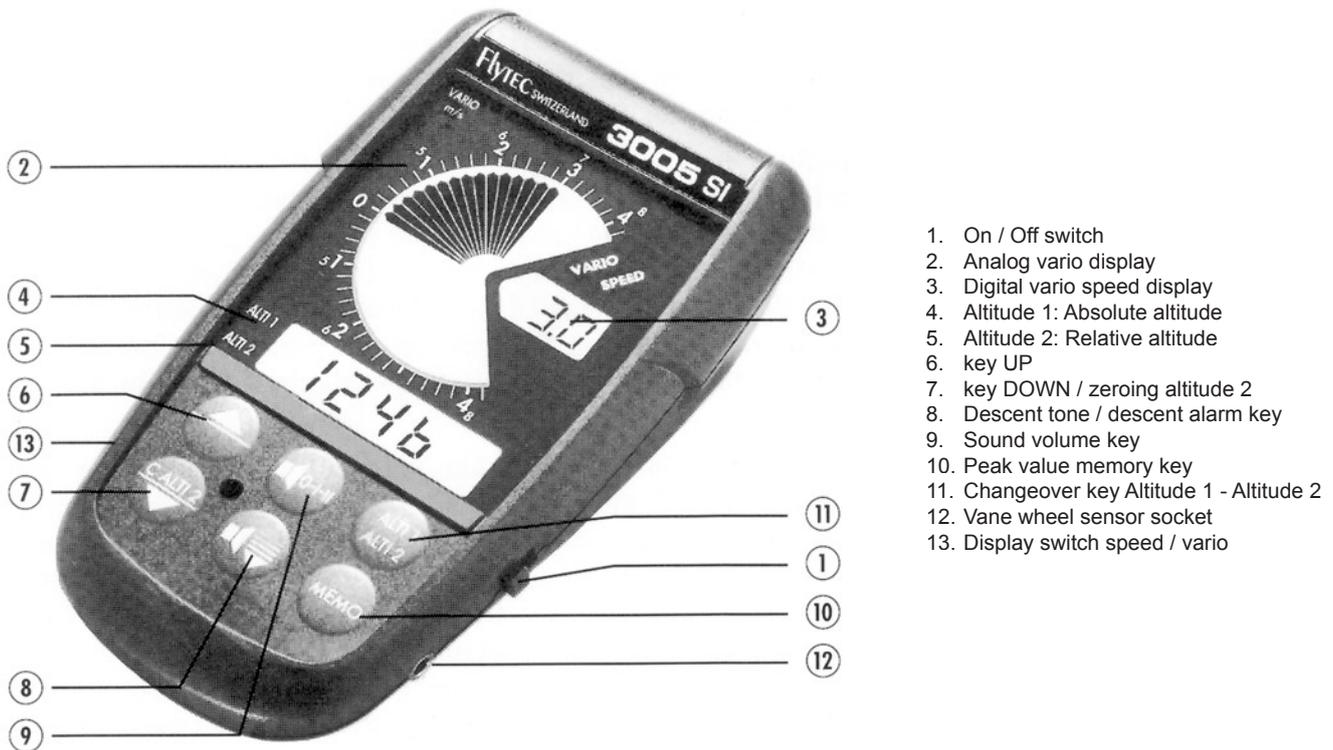


# Operating instructions FLYTEC 3005 SI



1. On / Off switch
2. Analog vario display
3. Digital vario speed display
4. Altitude 1: Absolute altitude
5. Altitude 2: Relative altitude
6. key UP
7. key DOWN / zeroing altitude 2
8. Descent tone / descent alarm key
9. Sound volume key
10. Peak value memory key
11. Changeover key Altitude 1 - Altitude 2
12. Vane wheel sensor socket
13. Display switch speed / vario

**Starting:** On / Off (1).

**Battery control:** Power voltage is indicated, on the analog vario display (2) for approximately 10 seconds and «Po» for power on the digital vario display. When all the segments in the ascent sector (green) light up, this indicates that the batteries have an energy reserve of 100%. Inadequate power reserve is indicated continuously, when switched on and during operation by the lighting up of one or several segments in the descent sector (red) and «Po». If this occurs, the unit does not shift into operating mode.

**Setting mode:** 1. Changeover into adjustment mode is effected by pressing a key (8, 9 or 11) for several (approx. 4) seconds. The corresponding display will then flash intermittently and can be reset.  
 2. Use the reset key -Up- (6) or Down- (7) to set the required value. When entering altitude figures, the number display can be speeded up by continuous pressing.  
 3. Finish by pressing the corresponding original key. When setting the altitude there is automatic acknowledgement after approx. 10 sec.

**Altimeter:** Altitude 1: Absolute altitude. Can be set within weather-dependent tolerances.  
 Altitude 2: Relative altitude. Can be set whenever required over the whole measurement range and zeroed at any time by pressing the key «CLEAR ALTI 2» (7). It can also be cleared while ALTI 1 is shown on the display. Operating the changeover key ALTI 1 - ALTI 2 (11) indicates the desired altitude and marks it with an arrow.  
 Pressing the changeover key (11) for several (approx. 4) seconds will cause the unit to change to the adjustment mode of the altitude currently displayed (see Setting mode).

**Altitude gain / loss:** Altimeter 2 (ALTI 2) can be used to indicate a gain or loss in altitude, as it can be zeroed at any time using the key «CLEAR ALTI 2» (7) even while ALTI 1 is displayed.

**Analog vario:** Fully automatic segment display over the entire range. Individual segments remain displayed, until the end of the first scale sector is reached. They are then deleted from zero in the second scale sector pass again until the end of the second scale sector is reached.

**Digital vario:** Display over the entire range.

**Digital vario attenuation:** Changeover into the vario attenuation setting mode is effected by pressing the volume key (9) for several (approx. 3) seconds (c.f. Setting mode). Four selectable, average value computations are possible for the digital vario display:

d0 = average value for the last second (4 measurements per second)

d1 = average value for the last 3 seconds

d2 = average value for the last 10 seconds

d3 = average value for the last 30 seconds

The analog vario display is not attenuated.

**Vario sound:** Sound can either be switched off entirely or 2 volume levels can be set by repeatedly pressing the volume key (9). The volume level currently set will sound when the key is pressed.

When the unit is switched on, the volume is automatically set at level 1.

**Ascent tone:** A sound interval with a rising tone frequency dependent on ascent frequency and a timbre dependent on scale (ASI: Acoustic Scale Indication). The response Point is set to optimum response time (factory setting) and can be altered by means of a regulator inside the unit (please

consult a specialist).

**Descent tone / descent alarm:** A continuous falling tone frequency dependent on descent with a timbre dependent on scale (ASI: Acoustic Scale Indication ).

Can be switched on or off by pressing the descent tone key (8). On switching on the descent tone/alarm and pressing the key, a segment will appear in the descent sector of the vario display to indicate the current response point. When the descent tone/alarm is switched off, pressing the key will not produce a display.

The descent tone/alarm will only, sound when the vario acoustic facility is switched on.

When the descent tone key ( 8 ) is pressed for approx. 3 seconds, the unit moves into the adjustment mode for descent tone/alarm (see Setting mode). The response point can be adjusted within the first sector of the scale.

**Speed indicator:** The vane-wheel sensor is connected to the socket (12) on the right-hand side of the unit. The indicator replaces the digital vario display ( 3 ), which is shown by the indicator above the display. When the vane-wheel sensor is connected, the display switch (13) can be used to toggle between the digital vario display and the speed indicator.

**Peak value memory:** Pressing the MEMO key (10) will display the peak values (max. absolute altitude 2 and maximum ascent) of the current flight (F0). Pressing the reset key UP (6) or DOWN (7) will invoke the peak values of the last four flights (F1, F2, F3 and F4), with flight 4 (F4) the least recent flight. Flight data is saved automatically when the unit is switched off (condition: the unit must have been switched on for 3 minutes and there must have been a clear difference in altitude).

Memories F1 to F4 are updated and the data of the least recent flight is deleted.

**Battery change:** Unscrew the battery compartment. Use two 1.5 V batteries. Please do well observe the polarity (+/-). After the battery change, switch on the instrument and control the display. Now switch off the instrument again. If the instrument stays for more than one minute without batteries the MEMO will be deleted.

**Water damage:** Open the unit immediately. If salt water has entered the unit, rinse it thoroughly (the printed circuit board, in particular) with hand-hot fresh water. Allow the unit to dry as well as possible, preferable in the sun. If this is not possible, the unit must be placed on a piece of wood in an oven. Allow the unit to dry off for one or two hours as required, at a temperature of approx. 50°C. Leave the oven door open slightly to allow any moisture to escape!  
*N.B. Never put the unit in a microwave oven!*

**Attachment:** Clip or special attachment for hanglider (fit to the rear of the unit). The clip can be unscrewed, twisted 90° and refitted.

**Adjusting the security cord:** Open the unit, cut the cord to the required length and knot it well. Tighten the cord from the outside and screw the unit together again.

**Servicing, repairs:** Return the unit to your nearest FLYTEC service agent.

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