AV-VARIO Basis-SP

Deutsch	English
① Analog-Vario	① Analog-Vario
② Digital-Vario	② Digital-Vario
③ Höhenanzeige	③ indication altimeter
④ Indikatormarken für Höhe 1/2	④ marks for altimeter 1/2
⑤ Hauptschalter	⑤ mainswitch
⑥ Einstelltaste	⑥ adjustment key
⑦ Lautstärketaste / Funktionstaste für Einstellmodus Variodämpfung (Digitalvario)	⑦ Volume key / function key for average vario set mode (digital-vario)
⑧ Umschaltung A1 – A2	⑧ switch A1 – A2
⑨ Einstelltaste / Zero-Set Taste für A2	⑨ adjustment key / zero set for A2
⑩ Sinkton EIN - AUS / Funktionstaste für Einstellmodus Sinktoneinsatz	⑩ sinking tone ON - OFF / function key for sinking tone adjustment
⑪ Memotaste für Aufruf der Flugspitzenwerte	⑪ memory key for call up the maximum flight values

Akkubetrieb

Anstelle der 1,5 V Batterien können 2 1,2 V NC-Akkus eingebaut werden.

Befestigung

Das Gerät wird entweder mit der Klettbandhalterung mit zusätzlicher Sicherungskordel, oder mit der Universalhalterung für Deltabetrieb geliefert.

Garantie und Service

Die normale Garantiezeit beträgt 12 Monate. In einem Servicefall das Gerät an den nächsten Bräuniger-Stützpunkt, oder an das Werk direkt, kostenfrei einsenden.

Wasserlandungen

Gerät sofort öffnen!!! Bei Salzwasserlandungen sofort die Elektronik in Süßwasser gründlich ausspülen. Gerät anschließend sorgfältig trocknen!!! (Sonne, Haarföhn, ect. Temperatur sollte 60 . . . 70 grd. C nicht übersteigen!!!

Operating instructions for ALTO-VARIO Basis

Initial operation

The unit is normally supplied with batteries. If no battery was supplied, open the battery compartment on the back of the unit and insert 2 1,5 V alkaline batteries. Then set switch ⑤ to "ON".

Battery check

After switching on, the battery capacity is measured via the battery display.
+ 4 m/s = 100 %   /   + 2 m/s = 50 %   /   / m/s = 0 %
Indikator in descending range = change or re-charge batteries
"Po" (Power) appears in field ②
The unit is then **fully** operational.

Setting mode — definition

The computer distinguishes between shift functions = quick key operation, and setting functions = long key operation (4 secs). If a value is to be changed, longer pressing of the apropriate function key switches to the setting mode. The value is changed by means of the setting keys (⑥/⑨). Press the function key to acknowledge the value. In the case of height setting, storing takes place automatically after 10 secs.

Altimeter

The unit has two height measurement functions (A1 — A2) which can be switched by means of key ⑧. (Quick key pressure) display via marks ④.

Setting of A1

A1 is used to set the absolute height. Pressing key ⑧ for a longer time — approx. 4 secs — switches to the setting mode and the display will blink. By means of keys (⑥/⑨) the absolute height can be set. Press key ⑧ to acknowledge.

Setting of A2

A2 is used to set a relative height. For example, the altimeter can be set to "0" on the airfield. To do this, press key ⑨ briefly. Setting the display to zero can be carried out at any time. In other cases, cary out settings as for A1. For the maximum height value, only the value of A1 is possible.

Variometer

The unit has two displays: analog and digital. The analog display indicates automatically up to +/- 8 m/s (initially indicator-filling, then fading), the digital display up to +/- 10 m/s.

Time constant

The time constant of the analog display and the acoustic signal is set in the factory to approx. 1 sec. The time constant of the digital display can be altered. Press key ⑦ for a longer period to select the setting mode. d 0 — the factory setting — is shown in the display ②. The keys (⑥/⑨) can be pressen to set the following values:

d 0 = median value over 1 second (4 measurements/sec.)
d 1 = median value over 10 seconds
d 2 = median value over 20 seconds
d 3 = median value over 60 seconds

Press key ⑦ to acknowledge the selected value.

Acoustic signal

The unit offers the following settings:
— signal off
— falling tone off, rising tone soft or loud
— falling tone on, rising tone soft or loud

Volume

Pressing key ⑦ permits selection of "off — soft — loud". The audible tone indicates the selected value.

Sinking signal tone

If on pressing key ⑩ a vario indicator also appears in the sinking area, this indicates operational readiness of the sinking acoustic signal with its activation point.

Activation of sinking tone

Longer pressing of key ⑩ switches to the setting mode and the vario indicator blinks in the previously set value. Keys (⑥ / ⑨) are used to alter the activation point. Press key ⑩ again to acknowledge the value.

ASI-function

The vario rising tone is executed as a twin-tone signal with an additional ASI function. (acoustic-scale-indication). This permits an acoustic recognition of the scale values without an optical indicator control.

Speed indicator

If the impeller sensor (supplied as an accessory) is connected to the socket on the left of the unit, display ② switches to the digital speed indicator. The indicator mark – underneath the letter "V" in vario operation – switches to the letter "S".

Memo

The computer stores the maximum values (height 1, vario) of the last four and the current flight. By pressing key ⑩ the function is called up and switched through with keys (⑥ / ⑨). F1 to F4 – F4 is the earliest stored flight. Press key ⑪ to return to the original operating condition.

Operating with re-chargeable batteries

1,2 V nickel cadmium re-chargeable batteries can be used instead of the 1,5 volt batteries.

Mounting

The unit is supplied either with a Velcro strip fitting or with a universal mounting for delta operation.

Warranty and service

The standard warranty period is 12 months. If servicing becomes necessary, send unit post-paid to the next Bräuniger centre or direct to the factory.

Landing on water

Open unit immediately !!! If the landing was on salt water, rinse the electronics out thoroughly in fresh water. Then dry unit carefully !!! (sun, hairdryer etc.) The temperature should not exceed 70 deg. C !!!