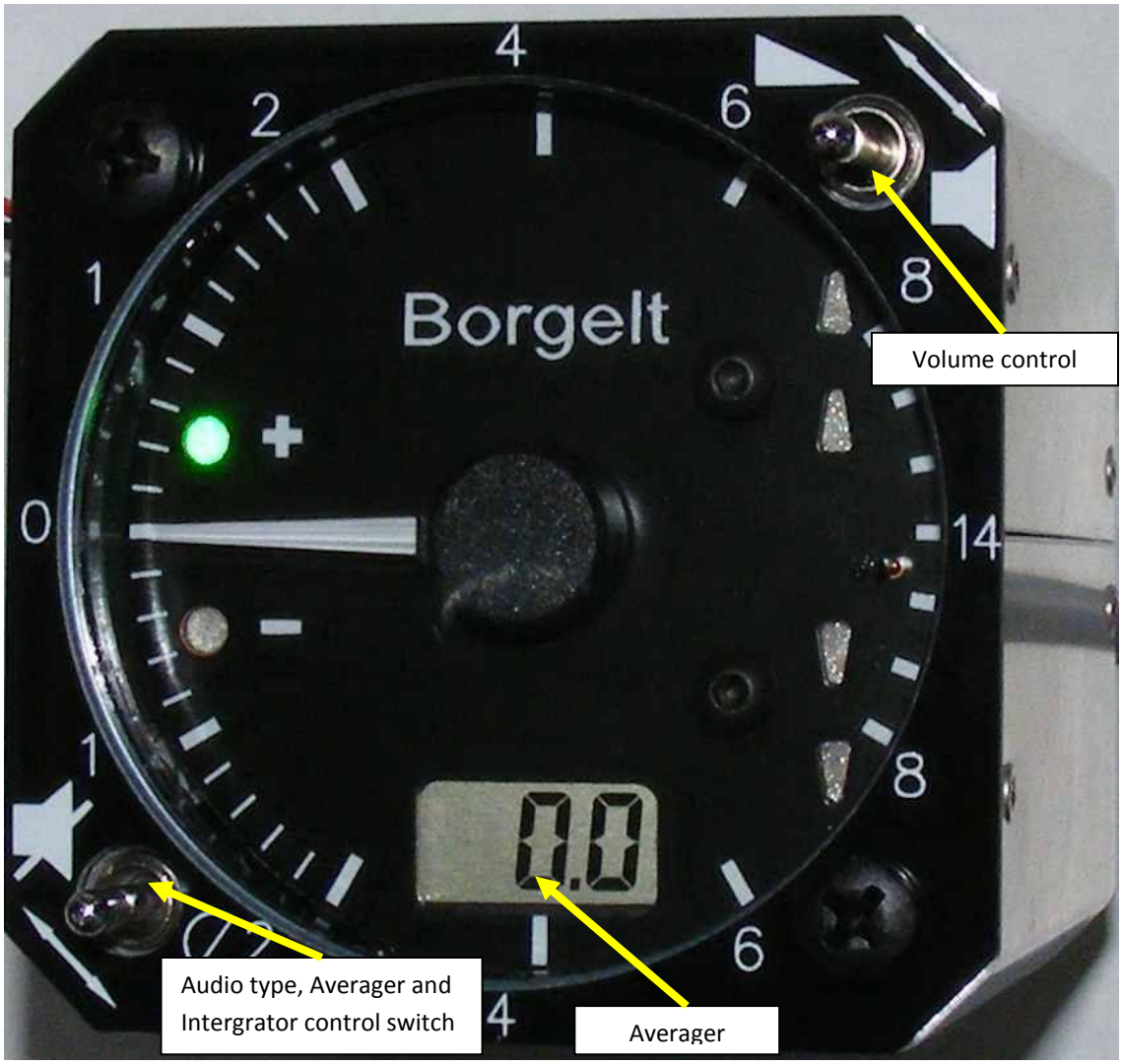
B700 User Guide



The Borgelt B700 is a standard T.E. vario with inbuilt digital averager readout and battery backup to supply power to the unit incase of instrument power loss. The dial is a non-linear type that makes the vario pointer very sensitive between 0-2knots, less sensitive between 2-8knots and even less sensitive between 8-14knots.

Volume Control Switch

Audio volume is set to a default level and is adjusted by the Volume switch in the top right corner. Diagonally left and up increases volume. Diagonally right and down decreases volume.

Audio Type, Averager and Intergrator Control Switch

The toggle switch in the lower left corner has three positions. Diagonally up and left is a momentary position and momentarily selecting this position changes the audio mode. The standard setup is that the audio is in "full range" (up and down audio on power up). First momentary selection, all the blue and amber lights flash for a short time and the audio is confirmed in full range mode. Second momentary selection the blue lights flash for a short time and the audio is in "up only" mode and the sink audio is muted. Next selection causes both blue and the lower amber light to flash and the audio is "full range"(climb and sink) but with a silent zone between 1 to 4 knots sink. This corresponds to normal inter-thermal sink rates. Sound then signifies some significant change in the airmass is occurring. Next selection flashes all blue and amber lights and the audio is in "full range" mode. This pattern repeats with successive selections.

The middle position this switch selects the digital display to show the running (last circle) average. It is a slow variometer with a time constant of around 18 seconds. This is the AVERAGER.

The lower right switch position shows the average for the whole climb (total height gain/time taken from start of climb to present time) on the digital display. This is the INTEGRATOR.

Battery Backup

To operate the battery backup in a power loss situation, turn the switch on the instrument panel to standby. Turn the switch back to mains power when finished as failure to do so will drain the backup battery. For all normal operations the selector switch should remain switched to mains power position unless backup power is required.